

SEQUENCE LISTING

<110> Horrigan, Stephen

<120> Cancer Gene Determination and Therapeutic Screening Using Signature Gene Sets

<130> 689290-73

<150> US/60/236,033

<151> 2000-09-28

<150> US/60/236,032

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<160> 583

<170> PatentIn version 3.0

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<213> Homo sapiens

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<213> Homo sapiens

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ggcatctaca gggtcattcg aggaggaaca gattcaagct ttcggacgat cagtgttttg 180

taaatagcag catcatcaga tctaagacaa cattggacct ggcagggcct tttctttggg 240

tggcattaat tactccagat tcagac 266

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<211> 287

<212> DNA

<213> Homo sapiens

<400> 15

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aatgctttct gacaggcttt tgggttgga atggacaggt aaatcactgt cacataacag 240

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accacgtcct tcccctgctc ccagggtggag taggggcctc acgactgctc cgatatccac 180

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gagcctcagg natagcactg gaccagccca gggcgcttgt ggcagacggg agggnggatg 420
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<210> 24
 <211> 335
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<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 24
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 ttattttacaa ttaaggaaac caaggatcgg aaatgtttta ctttatttat aaattgcccc 180
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 ccaaatcacc atcctatgct gcagtcctatt ttattttatt tttttagaca gggctctcgt 300
 ctgttgcccc gggtnagata ccagtgatcc ctnc 335

<210> 25
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 25
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 tctcccagaa gtgaggtctg caggggaaca gggctctgggg gtctctctgc ctgggagagg 180
 gaaggctgag tgtataaaaa ggtggaagcc tctagaaatg agaaggctgg gtgtgtggga 240
 ctcatgctgg tgccttcccc gacgaaggag agggcccaga ggaggcagct tcctggagca 300
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<210> 26
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 26
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 caccgcac agggagatag tggaggctca ggagcaggtg gcgtgcctgg ggctggatgg 180
 agtctcaaga cagcaggtgc agaggtggg acgagtaaac aggccagcag aacctgctta 240
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 cctaaaatcc caattctct tctgctccca taccttttcc cagtcatggc ccttgtggat 360
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<210> 27
 <211> 454
 <212> DNA
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<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 27
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acctgcacat gcgccacacc cacacacata ctgaggggac tgacaggaca catgggacac 180
agaccgccc tgctgtgnc agagtctgt ccaaggcaat ggcgtaggct gcgctcagtt 240
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agaccttgta cagcgtctgc agcagactgt ggcgggcgaa ggagcaggat tccagggcgc 360
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<210> 28

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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cacactggca aggcaactggc ggatntgggc aggccagttg gacatggata gatgagaatg 180
acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt 240
gccagcatg tgtgcattgt caccctaaac atcttgaaac ttgccattag tgaggcattc 300
aacaagaag taagctaagt gaggtaggaa 329

<210> 29

<211> 427

<212> DNA

<213> Homo sapiens

<400> 29
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caggctgac ccgaactccc gacctcaggt gatccgcctg cctcagcctc tgggattata 180
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acagacacag tcaatgtcag tcagcttgta ttcaggagga cagggcagag ggatcccagt 360
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atcacca 427

<210> 30

<211> 426

<212> DNA

<213> Homo sapiens

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caccacagtg gctccgggtt attagttact gtgggctggt cttggtcaga ggcattctgca 180
gctggagtca cagctggact tgcagtggac gtggcagtggt ctggggaggc ctgggatggt 240
cttggagggg gatcgcttgc tgagacagac tggaaatact gcacagtcca ggcgatcaat 300
atggatagca gaaaggttcc cagaaagtag atcagggtctg agtgcaggat agcaccacag 360
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ctgtga 426

<210> 31

<211> 456

<212> DNA

<213> Homo sapiens

<400> 31
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aggatgaagcc cctccccaca catacactcc ggtggatgtg agcaggggtc ctgttgccac 180
atctgggggtc aggggcttgg acatgctgcc cttcatggga accttctggg tacctctcag 240
cacagtaacg cagctgcagt ctgtcgggtg gggcccaggc taggggcagc acctctttt 300
ggcatacggg acatgcctgg ctgcagctga tgtccgttag cctctcctga cacgcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gaggttcccg tggagcttgc tgcacagcc 420
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<210> 32

<211> 386

<212> DNA

<213> Homo sapiens

<400> 32
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ctgtgtgtgt ggggtgtggt ggggggtatc atttatagca tactgcaaat ataaactcaa 180
ttcttgagct atattaacaa cactgagcaa caatatttct ttctaaaatt ttcttttctt 240
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agttttctcag tgacaataac acagatgggt agaaaacagg caacaaaatc tcttttctag 360
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<210> 33

<211> 240

<212> DNA

<213> Homo sapiens

<400> 33
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aattcactag agaagttaca gcattttgat tatgatacac gaaaagaaac ccaagtcatt 180
tagcttaact ccttaatttc ataaaccaga aaactaaaat ccaagataga ttgggtgact 240

<210> 34
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 34
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 ctcacacctt cacaacagct acaaatecct ggaccagcca gggacagacc aactccaggg 180
 ttctctgaca acagaagtc tggaaaggct ctgcactcaa aacaaacccc tacaccaccc 240
 caagggaggg ggattgtttc aggttcgggg agacgctaaa agaaattgaa cctaaactct 300
 tcatcaggca tgtccagagt ggctttggct ctccatatag agcgaggcct gcagaccctt 360
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 ctgagag 427

<210> 35
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 35
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 tcatgggtttt aaaggacaga atttcctgga gaatgttggt cctctttagt gtgctactgc 180
 agcaaagtgg aaacaatcat acgtcagacc aaaatacaag tcagttcttc agttttcact 240
 aattaaaatt aactctgtct aaataaatca actcttacca ccttcaggat tcatatctca 300
 agtaagagac attcttactg accaataaca caaaatatcc caccctcagc actaggatcc 360
 tcagttttga attctttcaa ccatttttgt caaaagcctt gctgtagcca ggtgtggtgg 420
 cacattcctg taatctcagc tactcggggag gctgaggagg gcagatccat tgtccc 476

<210> 36
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 36
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 gctttgctgg cagaataatt gtctaaattc tagaatatgg gaaacagggt tttttctgga 180
 ttcacttttt tttttcattt tttttttttt acaaaaaaaa tttacaagtg aaatgttact 240
 acaaaacttt ttataaggaa tttttgcaaa acatttacat tttaccatca actatttctg 300
 ttttaaaatc attatgtaga ttttaataccc tatgctgcac atcaatttat gtgggatgac 360
 aacttagtga catgcataaa aaaacaccac aaggcattaa aatggagact taaatacaaa 420
 tattgttg 428

<210> 37
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 37
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 aaaatgattt gctattgaca agtctcaaata ctgtcatggg aactcaaaca agttaccagt 120
 ctgttcaccg ttcattgtat tctataaaaat atttgataac agtcacccac tacagacatt 180
 cttttccctc gtg 193

<210> 38
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 38
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 cattaagtag tagtagaaat acggtgaggg cctgagactg gcctgggtgag cgaggaaagg 180
 ccgctggggc gttccactct gcaggccggg gctgaaataa cccgagttcc gttctcacag 240
 aaagggtgcg ctgccacctc ttgacacaga ggccggatgg gcagggtgtcc tcgatggcca 300
 ggccgtatca gggtagaacc gcagcagtag aaggggcttc ctcaaggaca aatggctaaa 360
 aatgtcacgg tgaaaatgtc atccccaaag agttcgttct ccttagaccc gtggggggcaa 420
 c 421

<210> 39
 <211> 530
 <212> DNA
 <213> Homo sapiens

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 caacgcgcgc tgcttgccat cgtgcgcgc gccactgaca ccttcacat ggccacctag 180
 cctgacttga agaggaggat tgcaacttga cccaagtaaa aatagatgaa gtgctttgtc 240
 tcgtgtgtga cgtagctgcc aaaatttcgg ccacgatac aatgccaggt agggttatat 300
 ttcttgtcaa attccttctt gatataggca gcaatgtcct tctctatatt gtacttctcc 360
 atggcctgcg tggcgcagtc aacggcatcc tgttgcagtg cctcagacat gtctgcgttc 420
 ttgatcactg ccttcgggtc agacatggtg tgacactaca gaaggagcag agaggtaagg 480
 ctgacaactc cttgctctgg gcagtgaaca ttagctgctg ggtgtgggg 530

<210> 40
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 40
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 tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatggtggca 180
 ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg 240
 gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa 300
 ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360
 aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttgtt atattgtt 418

<210> 41
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 41
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 ctggaagggc gtggagtctt ctccagttct cctagtttac agatgttggtg acctaggctt 180
 acaatggggc tggggtctga aagcgggacg tgggctgcgg ggggtcaaaga gccggtttgg 240
 tggaggtcag cgccaca 257

<210> 42
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 42
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 aggaccaggg tcccataaag cttgcccttc cccaaccct tccttccttc aaagtggcaa 180
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 ttccttttaa cctgacatat ttatatattt acagttatta gggagggag gacatctggg 420
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 attttcctgc ctctagctt ctaaaacctt 510

<210> 43
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 43
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 atctctgggc catacagtca ggtggttcca aggaagaaag aaagcacaga gagaagaagc 120
 tgcgtaagga gtctgagatg gaccttcctg aacataagga gccgaggtgc agggatcccg 180
 accaggatgc caggagcaga gacaggggtg ccgaagtcca caccgctaag gagagtcttc 240
 gtggggagag ggacagagac agacagaggg agaggagaag agacgcaaaa gaccgggaga 300
 aagaaaagct gaaggagaga catcgagagg cagaaaagtc tcacagcaga ggaaaggaca 360
 gggagaaaaga aaaagacaga agggcccggg ag 392

<210> 44
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 44
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 aaaataagca aaagacatta ataaacattc ttccaaagag gatatacagg tggcaactag 120
 atacaagatg ttcaaagtgt caataccata aaataccaga aaaatgcaat aaaatcacag 180

acagatgcta	ttatacagct	attaaaacaa	ctaaaattaa	aaagactaac	cataccaagt	240
atggcaagaa	tgtagagaaa	taagaagggt	cacatactgt	tgatgagaat	gcaaattgga	300
cagttagggt	atagtctggc	cttgtcttta	aaagtgcgc	attcacgtac	actgtactac	360
tgaccagga	gaaataaagc	atttctgcat	atta			394

<210> 45
 <211> 340
 <212> DNA
 <213> Homo sapiens

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gggtctccct	gtgctgcttc	cttctgtgtt	ttctagtctc	tccccaggg	gctgcccagg		120
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ggcccgatt	gcccaggcca	tttggcagtg	cagagccccc	ccagcctcca	gcaggagccc		240
cctggcatga	gctctccctc	caggggtcct	gagcaacgtc	cctgccaggg	ctggtgggtg		300
gcagcggggg	ggcagacacc	tcgctgaggt	cctgcagcag				340

<210> 46
 <211> 418
 <212> DNA
 <213> Homo sapiens

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cagtcacaac	acctgggttt	ccagccgcgc	gagttccttg	accacaagat	caatgttaat		180
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gggccagaac	atggccacaa	aaagcccctg	cgttgatact	ttccagaaat	ggctccacat		300
cctctgaggc	acggtcttca	gttcacttct	cgaccagatt	ctccaaaagg	agaataattc		360
cagaactgag	agtaacatag	cattgatgat	gagaaaccgt	gatgtccagt	aatggacc		418

<210> 47
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 47	tttaaaaata	tcttaacacc	tttacttaga	tctcatctca	tacttgtagc	atttcttcaa	60
atttactttg	aaaaaagagc	ttcactgtgt	gtggttgtea	tacacattct	tctacccaac		120
catggacctc	tttcttcctc	tcaggcgcac	ttcatctaat	tttttttagca	ctggcctggc		180
ctttttggag	gaggtggagt	agctcttcag	aaaggcttca	aacacagttt	cagtgttggg		240
atgggtactg	aggaaggcct	tctccaggac	atagaggtct	actcccttat	cctctggaag		300
tgctgaaatg	aaactcagcc	caaagtctat	gagcacaatg	ttcagctgtt	ccaggggggg		360
tttcaggagc	atgttgaggg	tggtgagatc	accatgaatg	aggtcttcat	cgtgcattcg		420
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<210> 48
 <211> 411
 <212> DNA
 <213> Homo sapiens

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<400> 48
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tatttccatt gcatattcca catctattta ttttactttt tatttattat cattattttt 120
cacaaaggta caaggaattt cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180
acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240
tctcaagttt tgtttcagga agcacaatta ttgtagcggt aaggtggata cctgccaaag 300
ctcatctcct agtgctgtcc tcattctcag aaagtctctg agtcaacaga aaggggacgc 360
ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411

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<210> 49
<211> 269
<212> DNA
<213> Homo sapiens

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<400> 49
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atgccccaaa atgttttata attcttcagt gcagtttctt actgatgttt cccttaaaat 180
taaggcttaa tgaaagagaa atccatagta ttatgaactg attttcttta gcttctgaat 240
taagtgcact ctttccaaaa tcaagtgggt 269

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<210> 50
<211> 174
<212> DNA
<213> Homo sapiens

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<400> 50
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actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
caagctgact taggatgcaa tggtagagac accagccttg ggggaggggt ctcc 174

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<210> 51
<211> 296
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 51
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gacggaaaga accagactcc tctctgaggt tnnggaagaa ttagaaaagg taaaacaaga 180
aatggaagaa aagggcagca gcatgactga tgggtgctct ttggtgaaga ttaancnng 240
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<210> 52
<211> 409
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 52
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ttttgtggac agtcctgtgg cagaggattg gaatttggga gccattggca tgtaggtggc 180
atttaaatta tgtgactagg tgaggaggga agggttgtta cctagggagt ggacattgat 240
ggagaagact agtgactaag ttctgaggca agaccctcca gcgtgtagat ggcaagcaga 300
gcaggaagcc atttatgact gaggaaggag accactgatg gccaggggag cngaaaccng 360
gggccatgta attgtcacca aaattaaggt agcatgcatn gggttttnt 409

<210> 53

<211> 332

<212> DNA

<213> Homo sapiens

<400> 53
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gaagtgaaca aaaagtactg gtcaactttt aaaatatgag tggtagaac acaatgcagg 120
aaagagacta aagttgaaga atttcttttc atcaggccac ccaagtattg caaaccagaa 180
aaaaatttta atataaactg ttgcaatcct tacatcttta tgcaatttat ttggaaaagt 240
caaataattc cattacaaat atatttgtta aaaaccttat aaatttaact tataaattcc 300
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<210> 54

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 54
tttgttactt ttacatgatc tttattatatt aagaaaaacc tcttttaacc atttatataa 60
cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccaggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtagggt atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360
tttccccncc agaacccttc cctttaaggg cctta 395

<210> 55

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 55
aatacacttc tttgttatac caccgaccaa ttttctaata ctagtacagg ccacaatgaa 60
ataggccaaa catgctacca tttaaagttt ttgggatgag attgtagtaa gtttactcaa 120
agtattcaag ttctaatttt taagggtgctg tagagaaaca taaaagattt cactgtatcn 180
aaaaatatga ctgttttgat cttaagctat acattttatt tttatctaac tgattaagac 240
ctggcctctt aatgaggcac atttttgggc a 271

<210> 56

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 56
ggatatcttaa cttttattaa tgttggnat caccggttaat taatttaaaa tgggaaaata 60
attcaagttg ttagttgaaa gaattagaca ccagtgtttt ggtatatcaa cttttattaa 120
tgttggttat caccggttaat taatttaaaa ttgtggttta ttaatatatt aagttactct 180
catattatat tttattaatt ttttcttatt taaaaagctt gtctctgcca ctctctgtgt 240
gacctgggca agtcatttta cctctaagag cctcaaattt cctcatctat aaagtggaaa 300
tataaataca aagcttgtag aaatgtcagg aaaataaata aattaaatgc caaatagtca 360
atgaggggata ttaggcaaag gccagttttg gtgggcattt taacctatgg agactcagt 420
cctctgtgtg tccattatc acctccaaga catctggga acaccaccgc tg 472

<210> 57

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 57
gactttgttt aacctataac cttttttcct cccacatagt aggtagtaac atcacacgga 60
aacagtgtct tgaagacatt ctggacacat cgtatacagc acagccattc aaatcaacgg 120
caacagaacg caccagaagc ctgggtttct ttc aaagcat gagcagttct cattttacaa 180
catgtgtttt aacataattc agaaagtgc atctttgcat gacaaccaga taattctcaa 240
aggttactag tgagctgata aaattaacgt ttggcaagga ggtcatggtt tacaggtagg 300
ctgtccgctc accaatgtct agaaaaattc agcagaacat acttttcata tttagatccg 360
aagagaggtg agagacattc tactcaaagt catgggctgg gctttctgtc ctccaaacga 420
aattgggcag gncatttgcg tggtttctc tgggataaag tcccccttat ttaatcantg 480
gtgcaaaaaa tctnggcatt t 501

<210> 58
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 58
 ttaagggttct tatccagctc ttttatttca cagatgggaa aataaggcac tgtccaagta 60
 acacacagtg acagtggcaa agtcgtgctt gcttcccagg tccctgacct cagacaaggg 120
 tgttctctcc cattaaatgc ttttttctcc tcatcttgct ccatttttct atcttggtggc 180
 aagagattaa caatctaaat tccaatccta gttctgacac tgaccaatga aataaacatt 240
 taggctgggt gtgggtggctc acacctgtaa tcccatcaag gcaggaggat cacttgaggc 300
 caggagttca acactagtgt gggctacaaa gcaagacccc cgtctctaca gaaaattttg 360
 ggtgctgtgt acctatagtc ccagctactc tgtaggcgga agtgggagga tcgtttgagc 420
 ccaggagttg 430

<210> 59
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 59
 cagttcagca aatgtttatt gggcacctac aataggcaag gcacagtacc agctgctgtg 60
 ggttacaaag acaagaaggc taggctcacc ctcgagaggc ttacagtcta atagagagag 120
 acacactcac aggttaacaaa aatacaaggc aaaatgaggt gagctctatg gcagaggcaa 180
 aaacaacggg agaacagcga gcagagatag atcagacata tctcagcaga tcagatgttg 240
 gatgcaggga gtgacgtttc agccaggctc tgggaggtgg gtcggattcg cacagggtgaa 300
 ctggaaaaaa gaggacacta aggcacaggc aaggtataga ggtgggaaag tgcaatgaat 360
 gttcagagaa cagagatgcc tgccttgacc aatacatagg aggccaacag gataacagag 420
 ggacctaagc tggggaagtg gtttcaggcc agatgggtgtg atcgctcgta gtaggatttc 480
 ntctcttctc tcttctcttc ctttttttcc aatgaaacaa gccttgatct acccccaggc 540
 tggag 545

<210> 60
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 60
 aactttactc ataaaatttt atttgaacaa aacaattttt gaaaatataa aaatttcata 60
 agaactgctt tcctgttaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga 180
 agagtatatc attatacatt gtcaaataaa gcgaaggttt ccttatccaa atagagagaa 240
 tatatatgtg attacttaat ataaagcaaa agctattttc accaaagaac agacatgcag 300
 ttattg 306

<210> 61

<211> 164
 <212> DNA
 <213> Homo sapiens

<400> 61
 gcattatattt aagatcttta ttattaagta actcactggg gttgtcaaag tatgttataa 60
 aattacacag ataattagag atatatgtta catagaaatg ctgattttac actctcttct 120
 gagtacaagc atttgattac agaggctcat agcacaacaa aatg 164

<210> 62
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 62
 taatttgtat aatttattag aagcttctta ggaactatat ttaagccaaa tatctacata 60
 agttacaaca gaaaaagact gacgccgcaa ataccaaact gccaaataat atacacagat 120
 ttgtcaatgc ccataaaaaa tgtgaagggc tggggactgg gagtggtttt tctttttaca 180
 acaaaatgta cagattacta aaaactaggc atttagtcca acttttgaca gcgttttaca 240
 gctacaagtt cacattaaac aaactatttc gcggagggcg gtcgcgctga gcctaggcgg 300
 ccagaggggtg cggggaaggg gcacttcctt tgtgtcagtg acaagtgggt tatgttgaag 360
 actctttcct ctccccagct cccggcctcc cttcaaaaaa aaaaaaaaaa 410

<210> 63
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 63
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaata 60
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
 tggttacaaa atatacccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
 gtcggggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
 gcgccccaga gggagtggcg gagacaggac 270

<210> 64
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 64
 tttttttttt tttttttttt tttttttggg tggggagtac ggantttatt ttattgttct 60
 gcgtctgggt ttggttcctt ggacgtcacg gttcctggat ggggggtgggt ggggtcccact 120

ccctaagtca tgggtcccacg ggcctnttgg gatttttttc caggttcaaa gtgcactgag 180
aaagcttcac agttttaata cttcctagat gctcaactga ggcaaagtga caaaatggcc 240
ctccaccccc cgcccgccac aaaantaaaa tcccaagccc ctggnagctg ctgctcagcc 300
cttatgaaaa aataatacaa ac 322

<210> 65
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 65
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacagggt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgcag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggctgggtc ttccaaccgt cggaggggtac 300
tcaggaaagg cancttgccg gacaagaagc 330

<210> 66
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 66
tttttttttt gcagttttaa acttatacat tgttttatttc tggtaatttt ctgtttaata 60
ttttgggacc tcagttgacc atgagtaaca caaaccacag aatgcgaaac agtggataag 120
agagggacta ctgtacatac tttcgccctaa gacagttctg tatattcttc tgttaacggg 180
gtagcaaaag catatagaaa ggttttgggg ggatgcagtg cattgctctt ctgtaatgac 240
agtaatttac ttcaagacat tgcaggagaa ggggttaaag gagtaaaggg gaggaagaga 300
aggattcatt tcatgcctac ctgtacagag acactttctt gctttctact tttttttttt 360
tttttttttt tgagnccgat tctcactctg tgcccgggct gggagtgcag tggccanttc 420
tcgt 424

<210> 67
<211> 356
<212> DNA
<213> Homo sapiens

<400> 67
tttttttttt ttttttttag ctcagccagt tagttgtttt attttgagtt ttgttttttt 60
aaaaaaagaa aagctttgag aaaatgtatt aaatatcagt aaagggcagg aacacacatg 120
gctagcttta caatagcaat ctaaacatac acaaaggcaa acattgagta aaatgctagg 180
gaaagacggc actttggggg cctactgcag ttttccttat tgcacataaa ggttgtggat 240

aacgccaaagt ctttaatttt tcacagttat actttaatgt cattttatat aacgtttatt 300
tatataacat actataatgt taattttata aaaccaccag ttgctactg ttgaat 356

<210> 68
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 68
gtttttcaac gttttatttc aagcattaaa aaaaaagaaa aaatcaatta ctttcaatag 60
aacagaaaat ctgaaaaatt aaataaggct aggcatggta gcagatggaa aggatttact 120
atcctgtatg attttaatga caatgncct gccaaataat atcaccccggt gggtaagggt 180
ggtacacagg aaggcagaag ttgaaattag tttgaaggct acattgtttt tttcccaatt 240
tacattgctt aaggatcagc aacgggaagg aacatcaatg ccccc 285

<210> 69
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 69
atttttaaagt tttattatga aaacacatgg aattaacggt gttatccatg tatttgcaac 60
agcagagaaa gagtgagagt ggaccatccc cataggggac acttatcctt tggctaaact 120
aatataaata atggaaataa cacctaatac aataatacag cacataaaaag agattacatt 180
aagagangag acaggaactg cggagaggag tcttgagtat ggnggagatg cggctcatgg 240
agaagcatcc aggctca 257

<210> 70
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 70
ttnacagtta acatttatta aaacatgtca tacaaaagggt catgatctct tctataagaa 60
gaaaatatta aacattaaca ttcaattaag taaaaccatg ctgtacactg aagacagcaa 120
tatataaag 129

<210> 71

<211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 71
 tataacttaa aatcgtttat tttaaaggaa actttaata accaatggaa atgaaaaacc 60
 agccccactt gccatgaaca gcccgaactg ttcggtttc attcgggcag gcgggggtcca 120
 caagaggctc tcttggttta aaggaggccc agcttggncat ngatcagggtg ttaaggacac 180
 gtgagcacca aattgagcct ttctcagtga tgagggtcaaa aaatgaaagc gcgcaggaag 240
 ggttctcccc aggggaattc tgggggtgtcc caangtcac cgggggccccg cacgcttcgg 300
 gccatgctgt tctggtctcc agccctcatg gccgtggcaa ttggacagcg tcaacttctt 360
 cactcagtgt gttcgcaccc tgaccttgag gtnggggtga gggggacatt ga 412

<210> 72
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 72
 ttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60
 atatttgtcc ttattgactg ggtctcctta attaatgtac acatgtcatt agaatgcaga 120
 cggagggggac tcaccatgaa tatctggggt tgattccag atgtgtgttg cttctctatt 180
 gcaagcagat tcccttgtcc ggatttactt c 211

<210> 73
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 73
 cctggttctg aaaactcatt tattcaacaa agcagtacaa gcctcccctt caatcaggac 60
 ctgcctgcag ggtcgggcta cttcagtgtc ttcagccaat gggagctaga gggtttaata 120
 ctttagtcca cttcccttca tctctggccc catcgacaac atggggaagg ggagtggagg 180
 cctggtagaa gggtagtaag gccccttatt tcgttcgctg gtagaactgg aagactgctt 240
 tctcctg 247

<210> 74
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 74
 aaatataagt aacagtttat taattttttt ttttacagtg agatatggct atgggaagca 60
 ggtgatacta ttgttttaag aaactgggat gccactaac acgtggagtt cccaagact 120
 ttgcaatctc catttgtgag tttctgtaaa aaaggggaacc cagctagagg attcacagag 180
 accttgaatg acaagcgaca tactcgaaat ctgcagctct cctcccggag cccagcgtgc 240
 caggagacac gctgcagtaa ggcacttacc aagctccttt ggatagaggg aaagaagaaa 300

tcaatccagg caacatgcaa gtttcagtga agtcagacat tttatgggaa tttaaagtct 360
tgctgttct cagtgcaccc cagtcagtta ctgacatgtc agcctcagaa accg 414

<210> 75
<211> 395
<212> DNA
<213> Homo sapiens

<400> 75
aatgtacacc agaagtcaat atttaataac agtaagaatt ttttttggtta cccttaagtg 60
taagtccct tccctctaca taacttaagt taattttgga gctaagcgaa cttggtcacc 120
cactaataag gggcaagcca ggaccctacg gagcacagag ccaagctctc aacaacacct 180
ggtaactctg tgctattcct agaatcactg ctgggtgccc cgcaccatga ccagggaatg 240
ggacatccac agtcctcaac attcttccaa atcccagggc agcaggggaag ccattccaat 300
cccaaccttt tccatctgct tctccaggga gtccaggggg taggcccggg acagcagctg 360
cttcaggcgg cccagctccc gctccttctc ctac 395

<210> 76
<211> 470
<212> DNA
<213> Homo sapiens

<400> 76
tggaaatcag aggtgaatat ttatttaatt catatataaa ttttacataa tattcatggt 60
gctataaata taggcacatt ttttaaaagt ccagatacat ccaaaaatta cccctcact 120
gtagcctact ccaatccct caagacggaa tatctaacag tgtttgaaa acagggtcca 180
gaaaggccct gccattaat tttaaaactt tctgaccatc aagaccattc tttcctgctt 240
caaccaagca gagtcaacaa ggatcatgtg ttttcagggt ttttaattgca ctagttgatg 300
aattaagtaa atgcctctgc ctgggtagt tgtaatagggt ttatgggttt gggttctcct 360
acttagttca agtcagagaa agaaaaacca atatctatat tctattggc cttctttaaa 420
tcctatgag atggcttaaa aggatgtcac tgcaccagag gactcacttg 470

<210> 77
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 77
agaactgnan nttttattca nacatttctt ttgattnaaa tacattacgt acanngtcta 60
cattggatta gaagaatgac acagggggca gcaacactct cgcattccag cctccantcc 120
ctgacnctgn gangcagggc cgatcgggtg gnannggnnn ngtngttcca tgagttcggn 180
tcagaancct agncccgga ttctgggccc ctggctcttc cagagtccac attcaaggca 240
acctgagcac aggccttgagg gagagtggag aaaggccagg aaaggatgcc cacactcttg 300
cctgccaggc ccaggaccag ctctctccta cactnggacc caatttcctt ctggatcaca 360
gagctggtct ggatcaagac aatgtggaga tctggtgtgg aggcgtgtggc aggtgangca 420
gccgggctcc ctgggttagac ccccaggctc tctttagcac nagatgggca ctttaccac 480
aggtttgggt aaaaatgtct acngagagct atgcacaacc tgggtncct tctgggctcc 540

taaaagtcaa ggg

553

<210> 78

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 78

agtattttca taatttatat tgcttaaaat tatgatttgc atgctaagat gcaaacttac	60
gtgatatctt ctttagacat aatgctatta agagcacatg ctttataaaa taaaactggg	120
ctcattcata tcaggtgcag aaagccagtc ctgaaagcat agactatccc ttattctggc	180
tgttattaag gaaaaaattc atttaaaaaa tacagtaaag attgaaacca agtttactgt	240
ttcttgaaca gaataggaag aaaatatattt aaatggctga gctgggcatt agactattac	300
tcatttatct taaaggcaga aacttgtcaa cccaactacg tgaaacagag aagcatgatt	360
tgcttaagca ggcgacatta gagttaggcc tctccacngg gagcttcccc gaccgtcagc	420
acgtggcaga cagggatgcg gcccatcatt ccgcagggaa gaaccggccg ggccgg	476

<210> 79

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 79

tagaagaaaa gagaagttac tttattacaa tttgttatct catcccaggg tcagggcccc	60
ttgcttagtg ggaaaaaaaa cccttttagga ctgagtctcg gaacagcacc tgtcctaaac	120
ccaacttctc tgtgatgccc ggatttcttg attttgatcc agtagctgct cattttctg	180
ccctttacat ttaggagatt caagctctgt catttctctt agctgcccct gaagtcgctc	240
cttcctgcag ggcccaactc cacgtagagt gagtgcagcc acacagcagt aaccagatag	300
agcagcctcc cctgcagaca tgagcaaaga agggatccag agagccaagg ctgtatcata	360
gattcttggt ggggtcaaagg ggcagtcagt atgtcccgcc cctcatcca gtggtaccag	420
aggatccagc agtcctgggg tggcagtcag caataaggcg gcggccaccg ttgggccaca	480
gtgagtgaca cagcaagaag gagggcccagg gagcaggcna cggacaagag caggntcacc	540
agagctagtg ccagcaggac cc	562

<210> 80

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 80
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 aatataatca ctccactggg tacctaggcc tagacgtaca aaaggacacc catatctcat 120
 caggagaaag acaattttga gtttctgggt gtagtacc aa gtggttatga tcaccacgta 180
 cgtgggtctat ccagtttaact gtgtgggcaat ttgctatttc aagtcctctc ataacagaaa 240
 ttactgaaat atgtggaaca ccagtcaata taaagaattc attttttaaac agactagtga 300
 atttgtgtca taaacacact tgcgtatgga tattaggaga gcattgcttg aatatctcta 360
 aaactatttt taggaattaa aagctttcat agttaatggg atgatattgg ctttcagaat 420
 tcatattgat aaaagcaaac cttagtcatt taacaggaat gtttaaattt tagagattct 480
 aacatgcat gccgaaaaat cctaacattt ccacttagta atgtcagggt tgtgccagtt 540
 ctaatttccc atagctagta acatcagaaa atatntatca 580

<210> 81
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 81
 catctaattg ctggttattt ttacagatgc caagtttaca aaacatacaa gtgcacagac 60
 aggtgtggga ggtagctcga aatatacaga gtgttcgcaa cactagagac gtcttctggc 120
 cgccatcagg ggactcggag gtagggtagg cttgggtgagg cccgtgnttc gtgtccgtgg 180
 cacagcctcc tgcaaagggg ctgccctgct cccctgttca catgggtgcca ggccgtgctc 240
 cccaggtgcc tccgggggtg ctgaagaa 268

<210> 82
 <211> 567
 <212> DNA
 <213> Homo sapiens

<400> 82
 tgtatgttga gagtctcttt aatttttaga gtaaataatga cacaatggat agcttttagaa 60
 caagctaaca ttactacagt tcaagcatgt gcaactggta cagttcagta gtacataaac 120
 gactcaaaca aatgtacgac aggtcagaaa cttaagttac aaaatagagt caatattaca 180
 attaacacag agaagtaaaa accattgctc tcagattctg cacacttaaa aaaacataaa 240
 ctttatacag tcattgaaat tacgcatttc tactcagatt attagagcat attacaaaca 300
 cacagaagcc taaacagtta tggtcacatt ttgggtttgt tccagtgggtg cagcatcaca 360
 tgaaatgtta catccgtttt gtgtgaaata aacatttggtc tgaagtgcaa tagctgctgc 420
 attaaaaata tttccataaa aatgcttaga ttaaaatctt cctgaacatt agggttctaa 480
 tgttcaggat tatttttaaga gtccttatga agagtcctta aaattataga aatagatgta 540
 gtttaggaatt tcagtgtgtt tgctgtt 567

<210> 83
 <211> 433
 <212> DNA
 <213> Homo sapiens



<400> 83
tcttactagt gctgatttat tacaaaggat attttaaagg acacaaatga tgaagccagt 60
tgaagagata cacaggggtga ggtttggaag ggtccttggt gagttgggggt gcaccactct 120
cctggaacat ggatgtgttc gccaacccgg aagctctcca agtcctgtct ttcaaggagt 180
tttctggagg ctttatcacg taggcatgat tgagctccag ctctactccc cagccagag 240
gatggggaat ggggctgaca gcacaacgct tccaaccata ggtctttttg gtgaccagtc 300
cccaaataag gagccacca agagtcacct catgagaaca aaggacgctt ctatcaccca 360
gaaaattcca agggatttag gagctctgtg tcaggaacca ggtttaagga ccaaagtta 420
gaacaaaaga tgt 433

<210> 84

<211> 394

<212> DNA

<213> Homo sapiens

<400> 84
cggagagaca aaacaagaac tagagtttta atgataataa aagcaataat aataaaagca 60
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caaccctgat ggtgtccag cagggcacct gctaaggagg gaggggtgga aagcccaggc 180
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<211> 139

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 92
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<211> 1201

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1955

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<211> 461

<212> DNA

<213> Homo sapiens

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<211> 446

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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agttgaaatc tgcctttttc tcattcaaga aggcatacaa atatctgaga gtgactttgt 840
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aacaaaaaaaa aaaaaaaaaa gg 922

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<210> 122
 <211> 1234
 <212> DNA
 <213> Homo sapiens

<400> 122
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 tggccaacgc cctggccagc gccacttgcg agcgctgcaa gggcggttt gcgcccgtg 180
 agaagatcgt gaacagtaat ggggagctgt accatgagca gtgtttcgtg tgcgctcagt 240
 gcttccagca gttccagaa ggactcttct atgagtttga aggaagaaag tactgtgaac 300
 atgactttca gatgctcttt gccccttgct gtcacagtg tggatgaattc atcattggcc 360
 gagttatcaa agccatgaat aacagctggc atccggagt cttccgctgt gacctctgcc 420
 aggaagttct ggcagatata ggggttgtca agaagctgg gagacacctg tgcgcccct 480
 gtcataatcg tgagaaagcc agaggccttg ggaaatacat ctgccagaaa tgccatgcta 540
 tcatcgatga gcagcctctg atattcaaga acgacccta ccatccagac catttcaact 600
 gcgccaactg cgggaaggag ctgactgccc atgcacggga gctgaaagg gagctatact 660
 gcctcccatg ccatgataaa atgggggtcc ccatctgtgg tgcttgccga cggcccctcg 720
 aaggcgcgct ggtgaacgct atgggcaagc agtggcatgt ggagcatttt gtttgtgcc 780
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 agaagtgcta tgagatttcc attggagctg aagaaaagac ttaagaaact agctgagacc 1080
 ttaggaagga aataagttcc tttatttttt cttttctatg caagataaga gattaccaac 1140
 attacttgtc ttgatctacc catattttaa gctatatctc aaagcagttg agagaagagg 1200
 acctatatga atggttttat gtcatttttt taaa 1234

<210> 123
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 123
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 gcaaagtctc ttaggggaatg cacaaaaata atacaacctt aaaaatcaga ctagaagatg 180
 gaatataagt ggtttccttg taattttttt ttaagcttgg agaggtaata acacatcttt 240
 gaattcaaac tgaggactgc tgcttaatgg tgcttttaca ggggtggttct aaaatttttg 300
 agagtcaggt attgctttct ctgactgttt aattcaccac tggcacgtgt ttcctatcct 360
 caagcataag tttaaaagat tacaaacctc atgctgctca gttttttctn tccagtaaat 420
 cagatgcatg gtttctctag atttag 446

<210> 124
 <211> 644

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 124
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ttaaaattta gatccacatg ggtagagaa aaatactctc aaaagtgagt tcttagagaa 180
tattatccct ttgcctcaca gagattttta cctgcattta agagtaagtg ttaggttgag 240
gcatatgata ttgtcgcttt tgcagatcag caatggttga aactggcaa tttcaatatg 300
gttcaacctt gcacatgact caagtgtaaa anaaggagaa accttcaagt attccttatt 360
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cctcttctct cccctgatgg tgggtagcta caggcagtta cantcccttg gctgcctgtg 480
agaagcctac antttggcat tttcctccn aaaattacca cggtnacca agtgaacatt 540
nccagnatat ngacctgggt aatggggggg aagggggagt tgagcaacng gtggaaatat 600
tttacnggga tttccaacat anggcagcct ttaagggaat tttta 644

<210> 125
<211> 523
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 125
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ccagcacctg tgtacgtaca gtacaccttg cagccgaatg caaggttact tcatcctatg 120
gtaaaggtcg cccccagccc ggtagccaga gatgccactc tttctgcca gctaaccacca 180
ttgtgcgect gtgtgcgagt ggtgccagca taacctcaat cacaccaata ttgctgccac 240
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gtacacccaa ttctgatgcc cctcaatac tttcatcatg tttccatcat ctttcaggctc 360
ccatactctg agagttttgt ctcttgaagc tgacaccagg atcaagttcc atctggagca 420
aaagttaaatt tctgaccact tcagtatgat taccaagtta aggaggagtt tctgtatatc 480
atcccatatt ttgatcgcca ttgttcaacc tgtancaaga gta 523

<210> 126
<211> 746
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 126

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gcgaggaaaa	tgagcagtct	ctgcccccg	cgcccgccct	caacagttcc	tgggtggaac	120
tacccatgaa	cagcagcaat	ggcaatgata	atggcaatgg	gaaaaatggg	gggntggaac	180
acgtaccatc	ctcatcctcc	atccacaatg	gagacatgga	gaagattctt	ttggatgcac	240
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aagaagatgg	gcagatcatg	tttgatgtgg	aaatgcacac	cagcagggac	catagctctc	360
agtcagaaga	agaagttgta	gaaggagagn	aggaagtcga	nggttttgaa	gaaaagtgcg	420
gactgggtnt	cagactggtc	cagtagaccc	gaaacatcca	ccccaaggag	tcccacttca	480
ganaccctaa	cgtcttggtg	tttttaggat	gatggatcag	tgtncgtgtn	tnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nttttgtnnn	tnnnnnnnnn	ntnnnnnnnt	ntnnntnnnn	600
tnnnntntnn	nnnnnnccnn	nntnnntttt	nnnnntnnnc	ntnnntntnt	nnnnntttnt	660
tnntntntnt	ntnnntnnnn	nnnnntntcn	nncttntntc	tnnnnnnnnn	nnnnntntnt	720
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<210> 127

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 127						
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caactcaagc	attctggtgg	caacatagag	attgtaggct	gcttctaaga	aagttattaa	120
caatttgga	attcctaagt	aggatgagag	ttagtaactg	gatacgagtg	aagtttatat	180
ccaagttcag	actcaaaggc	attattatga	tttgcttctt	cccatgtctt	ccatgtcctg	240
cttctcaaag	tttttctcat	ccatcacact	actgccttaa	cctgctctga	gtatgcattt	300
gttttcaatt	catctttatt	tcaatctgtt	taacttttga	atccgcatgg	gaatacgcac	360
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<210> 128

<211> 1650

<212> DNA

<213> Homo sapiens

<400> 128						
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ctctggctat	gatagctccg	tgcggccagc	gcgggaggtg	ggagaccgtg	tcagggtcag	180
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aaaggtgtac	ttagacctgg	agtggactga	ctacaggctg	agctgggacc	ctgcggagca	300
cgacggcatc	gattcgctcc	gcacacggc	ggaatccgtg	tggctccctg	acgtggtgct	360
actgaacaac	aatgatggga	attttgacgt	ggctctggac	attagcgtcg	tgggtgctct	420
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ccacattcat	gaagggaactt	tcattgagaa	tggccagtg	gagaatatcc	acaagccctc	660

tcggctaate	cagcctccag	gcgatcctag	gggagggagg	gaaggacagc	gccaggaagt	720
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atgcatectc	atcactcttc	tggccatctt	cgtctttctac	ctgccaccag	atgcaggaga	840
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catggctctc	gtcaccttct	cagtcatect	tagtgtctgtg	gttctcaacc	tgcaccaccg	1020
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gtgagagagt	ttggtgatac	tgtcaagccc	tatcttctctc	tgcctcttaa	ctccttcacg	1620
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<210> 129

<211> 983

<212> DNA

<213> Homo sapiens

<400> 129	cgcaggggtc	ccccggccgc	cgcatgagc	aaatacgaga	aactggaaaa	gattggggaa	60
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	aaacgggtga	ggctggatga	cgatgatgag	ggtgtgccga	gttccgccct	ccgggagatc	180
	tgcctactca	aggagctgaa	gcacaagaac	atcgtcaggc	ttcatgacgt	cctgcacagc	240
	gacaagaagc	tgacttttgt	ttttgaattc	tgtgaccagg	acctgaagaa	gtattttgac	300
	agttgcaatg	gtgacctcga	tcctgagatt	gtaaagtcac	tcctcttcca	gctactaaaa	360
	gggctgggat	tctgtcatag	ccgcaatgtg	ctacacaggg	acctgaagcc	ccagaacctg	420
	ctaataaaca	ggaatgggga	gctgaaattg	gctgattttg	gcctggctcg	agcctttggg	480
	attcccgtcc	gctgttactc	agctgaggtg	gtcacactgt	ggtaccgccc	accggatgtc	540
	ctctttgggg	ccaagctgta	ctccacgtcc	atcgacatgt	ggtcagccgg	ctgcatcttt	600
	gcagagctgg	ccaatgctgg	gcgccctctt	tttcccggca	atgatgtcga	tgaccagttg	660
	aagaggatct	tccgactgct	ggggacgccc	accgaggagc	agtggccctc	tatgaccaag	720
	ctgccagact	ataagcccta	tccgatgtac	ccggccacaa	catccctggg	gaacgtcgtg	780
	cccaaactca	atgccacagg	gagggatctg	ctgcagaacc	ttctgaagtg	taaccctgtc	840
	cagcgtatct	cagcagaaga	ggccctgcag	caccctact	tctccgactt	ctgtccgccc	900
	taggccccgg	gacccccgcc	tccaggctgg	gcctggccta	tttaagcccc	ctcttgagag	960
	ggtgagacag	tgggggtgcc	tgg				983

<210> 130

<211> 454

<212> DNA

<213> Homo sapiens

<400> 130	tttttttttt	ttaaagttaa	ctattttaat	tagaattttt	atattgtgct	tcagggccac	60
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aggataaaat	aactacattt	agcttgccct	tcagtgcgc	ttttgccaaa	tgtcagctac	120
aaggagtcac	ctccctcacc	gccaagctgt	ctagcagcca	gagtggtagc	tttactgtaa	180
cacacagtac	tttttgtaat	cagactcaaa	gtcttcatcc	atactgcttg	tgtctgccat	240
ctttttgcc	tcagtctttg	gcagaaattg	tgcatagtct	atccctgct	gctcatagaa	300
aagaatgtag	gcagagtcgg	tgtcaatttc	atccgggtga	agttccttta	cagctgctgt	360
cattgtaaca	gtaccacttg	cagtttgggt	ttttggcata	agtgacgtaa	tgggccccca	420
cccagaattc	cccgaatggc	acgaaattgg	cata			454

<210> 131

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 131						
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tggagttgcc	agctagaggc	attctcaggt	agctaggtgt	agtgtatttt	ggtgcctctg	120
gtctctgggg	caatgtcttt	tgtcctccaa	ctgggtatgt	atggatactg	tgattccagg	180
tctgtttttt	gacttaagaa	ctgctcccag	atttccaaat	ggaagttttc	acactatgac	240
ctagaaatga	atagatatac	attctgtctt	gggtttccta	agccagtctc	ctataaaaaca	300
aaaatttcat	cccaggaact	cttccatata	agggaaacata	tatgttttga	aaataattca	360
tccatttctt	tgctcccata	aatacctttt	gcccaggatt	tattcaaaaa	aaaagaaaga	420
ttgctactta	atgtttctat	tccattggag	tgagtgattt	attcattgga	ggtctaagtg	480
atgatcatag	aaagaaacat	agagtactag	aactggaagg	aactaatctc	nattttatag	540
gactctcgtg	cc					552

<210> 132

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 132						
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caaatgttac	aagaacacac	aattccaagt	gctgtaaaca	taactgagaa	ccagttcctt	180
tactaaacat	ccattttata	aaatacaagg	tttcaatttg	agcccatctg	agccttaaag	240
atccattctg	aataccaaaa	acagggcttc	acagccaggc	ccagaagagg	tctggtgata	300
atggctggcc	ctgggtgggg	atagtttaca	cccgggcagc	agcaccacac	atgaacccaa	360
agacatgttc	tttttaaagc	tgttttcagc	catgtttctc	tggtgcatct	ccagtaagca	420
gaaggctacc	cattccattc	ctcaacccca	agagctagca	cagtttagagt	aggagggggg	480
tgcgtactag	cacgtgncca	gttgctcagt	gcggcaggta	gaaatgattt	gcataggtcc	540
atggg						545

<210> 133
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 133
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 aaattacaga aaaaccaaag atgaaaatta cagtgacttt gttccaccat acaaagataa 120
 ccactcaaca ttttttagta tgccttccgt cttttttatc tgctctacgt atacaagcat 180
 acaccatat tttaaaaaac aaaattgaaa tcacataaca tgcactattt ttacaacctt 240
 ttaatatcca aggagcattt ttctttcagt cagatgttct tttacatgac ttttaatgtc 300
 tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tcccctattg 360
 caaactttcg ttacagcaga aaag 384

<210> 134
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 134
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 gcttctgatt agaagacttt ttttttttaa accaaatagg ctcaagaagc tggctggagg 120
 ttgaattggc tgacgaacat cttcttcttc caccagcagt ttgtggga 168

<210> 135
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 135
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 gatgttcac aaatataaaa atgagaaact ctttcagatt atctgtatat ctatatacct 120
 ggattattct ggctaaagcg acaggaaatc ccagcagctc ggcttccccg agtaa 175

<210> 136
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 136
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 aaacgagggc attttgtttt aaaaaggggc agggcgacac tggcggcctg aggaggggtc 120
 cattggctgg tgggctggcc gagccaccct caggccctcg cccaccggt ccgcccctcg 180
 cctggtccag agggatggct ggtgacgagg ggggaggtct tgggagaggc tgggagggcag 240
 gagaga 246

<210> 137
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 137

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aaacaataaa cagaatttat tagctcatat aacaaaaaaa gtccagaggt aaggccaatc      60
tcaagcaagg cttagatcctg tacttaaaca atttcaccaa ggacttgatc tctttctgcc      120
tctcaactct ccttccagtg gtgtcagctt cagctgattc ctggtcatga tccaaggcc      180
caaggtggtc atcataaaga cccaggaata ctactacctt tttcacattc aacaggggaa      240
ttaaaacagc ttctaccag cat                                              263

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<210> 138

<211> 394

<212> DNA

<213> Homo sapiens

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<400> 138
ttttgtcact ctgttcttcc atgcctttat tggtaacagc aatggacaag aacaatacca      60
ggcatagcag acaccctagc ccagtacctg aggtgccagg caggccctga aggcacttgg      120
cacatccagt cccagcccaa gatccagtct acccaggcca tgtccccgaa tggcaggagg      180
cgtctgtcca gtttgtatgt gtggatcagt ctctctgagt gtctgagccg ctgcctgcag      240
ggccccccca ttctccgcac atggtagggg ctgttaggaa catagcgtgg catcccccg      300
tggaacctg ggccccagtg ctgacctagg ggattagggc cagggtattg aggtggcaga      360
gggccaggca caaagttcac tccagggccca catc                                394

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<210> 139

<211> 303

<212> DNA

<213> Homo sapiens

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<400> 139
ttttcatttt gaaaaagcta tttacttttt ttccaaatat tatcccaaaa ggtgttttac      60
agataagggt caatacgaag tcaaacattc tacagaagaa aatcgttttt acagacatta      120
agaataattt taacagaaga aaaagctcac atctatctag atgtggctat gttccatggg      180
aaaaatttca gcatccaaag tgcaaagaaa aaatgactgt agcttttctt accacaaaat      240
attgacaatc ttcccttata gctactctt tattgttagt tgggatgcc aaggatgata      300
tat                                                                    303

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<210> 140

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<400> 140
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ctcttgggaa tccaaggcca ganttttagt cccagacccc ccaacatcct cactacatac      120
atggaagttg ctttactcct ttctacctta gttatttgac ctataattag aggataaaat      180
acaacattct aaaatcctgg taatatggcc gatataaat tttatttttg atgtgggtga      240
gagtcttgaa gtctggaaag catttaactt attaaaagac                                280

```

<210> 141

<211> 495

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 141
tttttttaaa tttaaaggag tttaattgag caataaacag ttcaagaatt gggcagcctt 60
cccagccaga gtaggctcgg acactccagc gcagtcacac ggtggaaggt ttgcggacag 120
aaaatggaag tgaggtacag aaacagctgg gcttggtac agcttggcat ttgccttatac 180
tgaacgtggt ttgaacagtt ggctacattt gattggccaa aactcagtga ttggcacaag 240
tgtagtctgt ttacacctcc acttgctcag atatacagac aaaccttttag gccaaactta 300
aatatataag gaggcagctt taggctaaac tttatttcaa tacctgtatt ccaacacttt 360
gggaggccga ggcgaggagg atcacttgag cctaggaagt tagagattca gcccaagcaa 420
catagtgaga ccttgctctc gtggaaatta atttagcng ggcttggtag cctgtaccng 480
tagtcccagc tactc 495

<210> 142
<211> 402
<212> DNA
<213> Homo sapiens

<400> 142
tttttttttt tttttcttag ttaatatctt taatttttta tgtagaatat actatTTTTT 60
tctccaccaa aataacaata tatttgcagg cgggaacatg tatgatttta aatgcacttt 120
tgaaatctta gagtagaacc actactctag taatacttgt aataaaaatta aaatagtttt 180
aaacacttcc ataaagaatt aggggtgccc agctccttga tttcccccta gggataaaga 240
tatccatgta caattccagg gagcttccct gtaattcctc aaaaaaggca ctagtaaaac 300
tcttaggagg gatattagga taaaggctca cttaggcaat agcccttttt cccacatat 360
tctgggaggg ttctacaaaa gctatttggg tactcattcc gg 402

<210> 143
<211> 463
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 143
ggtanngatc ngtgtattta taatcaagtt gaatcaagag tgacaagaag aaatacagct 60
agagttatat ttttgcceca ggggtattct tttcctagaa gagcaagtcc attttttagaa 120
aatttaaatg tctttatttg ttactttcca aatatttttg ttaaacaat atctcttgca 180
aatgtatctt caaaatcttt gcctacatgc atacaatttg ttcttcccaa ctgcttaggg 240
gaaattcctt caaaatgctt agggagttct aacacatcaa atctgatcat tttgtttaca 300
ttagggaaac accaggacat tgtgggatct cttctttaaa aaaacaggat tttattttta 360
ctggcatttt caccctcagg acatgtctcg taaggnttga ggggttaggc taggnagggg 420
ggnggggtcc agggcaacac atttaccaaa tggacncccg ggg 463

<210> 144
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 144
 aaaaattgta aaattaaggt gaaataattg ggaatataaa accccaatgt aagataaagc 60
 aaattgcttt attattttta aaaatgaaga gaccccaaat acaganttaa gcagtaaaaa 120
 tcttttgtag ttctttcatt aatctgtatg atccaaactc aagtacgtaa ttttttcttt 180
 ttttaagaggc aggttttgct ttgttaccca ggctggaggg ccatggcacc accacgcctc 240
 acggcagcct ccacctcatg ggcatacaagt gatccttctg cctcagcctc ccacgtaggc 300
 agggaccaca ggcggaanac ccatgctcag ttattattat tattattttt aggagacagg 360
 ggtcttggct atgttggccc gggnttgtct taaaactncc gggctcaagt aatccttcca 420
 cctcagtntt cctaaggtac gtaatatatt taataggcaa accatt 466

<210> 145
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 145
 anncccagat aagtgtgcaa ttatggagaa gtttatctgt aagaacagat aaagggaat 60
 tgtctacaca tgtgcatgta gaaagaaatt atggagatgg attcagccct caaagcaaaa 120
 gctctattta atttgaattt ttacttaaat caaaagcaga aaattttaat tgtcactaat 180
 cttaactggc caagggcatg atgcatcagt ctcataacct gggcaaaaac ctgcccttaa 240
 atgatcaggt cagaaccagt aagagtctct atcctgggtc ctcggttaata cagagagctc 300
 ccaaataaaa ttatatgtat tacagagcca attcagccca atntacagtc tctgattttc 360
 acatggccta cacaactttt atgtt 385

<210> 146
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 146
 cattaacttg acatctggta aaacaaaatt ttgcgtanat ctaaatacaa acaanaaaca 60
 gacatgacac tttctcagtt aaaatagttt aataaaagca acaaaactgt gctaacgatc 120
 agaatacaaa atgagatatt aggtagactt ataaaacaaa gtatagttat tttttgattt 180

caaataaacc atgtgcaaaa ttgtaaaatg ccaatgtgtc tgagaaaagc attaacagtc	240
cttttagcaa tttatatata aagatgtttt taaagtgcc aagcttaagg cattatattt	300
taaagtttaa taaacatcta atttcaacat ctctccaaga acagacttct tctcaataag	360
ctataaacta tt	372

<210> 147
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 147	
cttttcatat ttcaacttta tttaaaatat gaggttttat gtccagaagg gagggcagtt	60
gccatcgga ggtgaagtga ggcacaatac tattgggttg cgggccaaagt acacagggtt	120
gcactgtgaa ggaactgagg aggttctggg agggcctggt gacaacaatg gatttgggga	180
gatccacaaa ggaaattttc atttcctccc cagggttagct attcagtggg tggattattc	240
agtcttttta agcaaggcca ctgctcctta gcaacatcaa caaaagtgcc aaagctgagg	300
acacagagaa taccatcatt gtcttttgtt tctctttatg cctggatggg gaaaggaatg	360
gaaactaata gcagaaaatg aaacatttcn ggatgttata ccttgccatg aagaatcacg	420
ggcttgtgta gagacctctt tcctttcntt ttttttttg agg	463

<210> 148
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 148	
catctctcct tttttctttg gactttcctg agacccctc tccttggcca gccggtgtct	60
gcatcttgca gctctttcag ctgtaatcca ctgttattat aaggagccct gttgctgtgg	120
tggttaaggag tggggaaggg aagcattcca ttttcttagg attacatctc aatcttttgg	180
ntgggcctat gttgctgtac tgtgaccttt acaaagtgtt cttaaccttt ttctctcttc	240
cttaggttga cacaggaat ctaggagggt gactcgagtc agaggaacta tcttctcccc	300
aggatggggg ataaggactc tggggtaaag gcccttttcc ntggggagag gtaaggctctt	360
taatcatagg ggggaacatt tctgagggcg cactttcaaa gggcatttac ntttccctt	420
ncccttttnc agagccnggg gggaaggggt ntatcttngg ggtctttt	468

<210> 149
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 149
 tttttttttt tttttcttta ttaataaatt ttatttttag cacaatcatt tacccaaaaa 60
 gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tggtatatca 120
 gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac 180
 acaacacttt ctctccact cagatgggag cctcagnatg ccaaaacggc aggatgtgcc 240
 aactaactat agggctcggt gctaaggcag gaggaaatct attcaagttt gtccaggcaa 300
 attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360
 ctgggtctnt gctggctggt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420
 agggcaaggg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480
 naaaaattgn caaatt 496

<210> 150
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 150
 ttttttttct ttataagtgc ttttaattaaa accaatctta ttatgaaaaa caaaccaaaa 60
 aaaccttgca ttgatggatg gtagctatctt gcaatttctt gttttggctg gatgcattga 120
 aggattaaaa atttaatat taaggtgtgc cttaaactgc aagggtccct gattttattc 180
 tcatctagga atttttgctg ctttaggtag ctgacaacat gcagatccat actctatctc 240
 ttaagatttt cttttgggaa ctgattccag ggtgaaattt tcttagggga aggatgtggg 300
 ctaggaggct ggggtatggc aaaggcatgt tctataggca agggaaaggc caggatggag 360
 gtgagggggg caaaaatcta gggtattaaa attttagggg gngacactng ggtttttaat 420
 aaacntatct cttccac 438

<210> 151
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 151
 ctggagcnnt tntnntttta tttgetcaat gaaaatactt cgtccttttt tatcagcaat 60
 acatatagtt ccaacaagaa ctattcatca caaactgccg gcctggggat ttcttcatga 120
 aatattttgt atttgcttgg tacatgggtc aaggaaactc ttgtgtttgt gccaatcagg 180
 gaaataaact gaacaataaa cgacactgaa atagagtatt aggcaatatg tagctttggt 240
 tttgcttttt ttttttaaaa aaaaaccact gaattttttt ccaccacaaa acacatggga 300
 aagtgcagga aaccagttaa tctatggtga tggatattgc catacggttt acaaacnagg 360
 ccaaattaaa a 371

<210> 152
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 152
 taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60
 tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120
 tagataaatg aaaatccttt attttgtaga attttaaaga ttgttaaagg ctgggtcaag 180
 gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240
 acatatcgcg tgtgctatga gcatctttct actcctgcc aattgaaaat tctaggtttc 300
 aacattcttc aggatttaac aagtcaaaat aaaagccgga attcaaattc agg 353

<210> 153
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 153
 agctcacggg cggcagggcag aaccttcctt ttagtgagtt gtaaagtcag agagaagctg 60
 aaaaattaga gtgagaccac ttattattta atgattttta agagcagggg cacttttaaa 120
 ccagaattgg cttgaaaatg gagactgtga tatgcacggc taaaataagg gaaatgtcca 180
 tttgaactga gactagaaag catgactttg cattgcagct ggctctgttg ataaaaatcc 240
 ctcatccctt tgagtgttaa attgaaagac tangaaagca tttccaaggc gaagtgttc 300
 atgnetgtct ctgagnttc ccacagctgg gtcccggggc atgctgttc tggatgtctc 360
 ncattgagag ggaaactgcc nttcaccct agctcgtaat ccagctnct cggggggggtc 420
 gagggcagg 429

<210> 154
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 154
 actttcttga atttatTTTT atttcaatgg ttttaatgaa tatttccgag aaagttcaca 60
 atactcattt ttatgtttca atttatatc aaatttactc aaagntaata tccccggta 120
 ttattagaga agtctctcta aatactagaa ctgacatttc agatccnttt gtaataatac 180
 tgccccata aaatatgcat agg 203

<210> 155
 <211> 319
 <212> DNA

<213> Homo sapiens

<400> 155
tttccagtat aaattatatt taatttttaga aactgagatt gaagtacagt ttttagttta 60
aaatattaaa aatgaaaaaa cctttaacat tattaaagat gtgttggttac aaagttccta 120
gatataata tgtacaaaac aaatagatat tactatctga cacctcaacc catgacttac 180
cctaaatctc ctgatatgaa caattaatct actgggaggc ttttcccaat aagtttcaaa 240
tttcttgac aaagatttgc tgccattcat attctgtgca tggatgagga catttaatca 300
cagactattt caacttaat 319

<210> 156

<211> 276

<212> DNA

<213> Homo sapiens

<400> 156
tttttttttt taggacaaat aaaatttatt tttctctgta aattcattta aaagtatggt 60
atctatgatt atcctatcaa ggtcagaaat gttagatctt actccaagat aggtaaacag 120
ccctttgaaa cgcaacaaaa agagacgatg atcttatgag ctcatattatg ttcattgctg 180
aaagtgtgaa gatcactagc tttgctgtgt ttctacaagt ttccttgact gtaaaaacag 240
tcaaaatgta accaacctaa ttcaagatgt taaatt 276

<210> 157

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 157
tcctngcnnng ggtcggttact gttcattagg ggagaaagca gtttaaaatg tctcagcctc 60
tcgcctttcc tccaatcaac acaaagtata ttagacaaag tggataaaga ctggcattga 120
catcttccaa atagcaaaat caattttata atttaaagac aaaaaatgct ttaactgcag 180
agggcattta agacgtttca cacttacagg gctaatagaa tgcaggacta gcataaaagt 240
tttttggggg ggggtggggga gaatagattt tttaacataa ggagtcgata ggnaatcttt 300
aataattttt cccccccaaa taattttaag gtgctttaag ggccgcggga tcncgggggg 360
ggtttcccc tctttttacc ttattatgga ntttaccata ttctnaaaa atggatttaa 420
atccccattn ccccttcagg ccncaggggg gnaagggggg aaatttgctg tgggggcccc 480
tttnttttagg ggagggtttc ctctccagg cngctcctct ttaccgnccc cgtccggttt 540
cgggcctg 549

<210> 158

<211> 378

<212> DNA

<213> Homo sapiens

<400> 158
ttttttacct tttggcctga attttttttt aattttttaa ttaaacacca acgaaaacct 60
cattttgtct aagcagattg aagagaaaaa atgagctata ctgatagaag ctgaaaaaag 120

aaattactgt ctacacgact aagaaaaaga ccaagcaagt gcaatgagta ataagttata 180
gaaatagcag caactccaca agaaactgat aagcatctgc cactatcaac tctatgctag 240
atgccaggca tacagtgaat gtgatgtgcc cacttcattc aagaagctca tcagggtggga 300
agaccaatga ggtatcagtt taaggatatga ggatgaattt tataggaaag caggcatccc 360
aatgttccc ttatttcc 378

<210> 159

<211> 307

<212> DNA

<213> Homo sapiens

<400> 159
ggtcattgctc tgttgcccag gctggagtat ggtggcaata tcataggttc actgtagcct 60
tgaactcccg ggctcaagtg atcttctctgc ctcagccttc caagtagctg gcactgtgtc 120
tgacaaagtt cacaactttg tttgtgggtca caaagctttt cagcaggagg cagctatttt 180
tggtaccttg ctaagatcta gtatatcact atacgagacc ctacaaaaac acacaaaaaa 240
gcaattcctc atttactatg ttcaaggaaa cggcatggaa ataaaggtaa atttttaggg 300
caaaagg 307

<210> 160

<211> 290

<212> DNA

<213> Homo sapiens

<400> 160
caagatctct attggctttg ctttggttcc tgtttccccc ctaaaaaat ctaacttcta 60
aaaacattct gctcagacaa ccatttcaag ttataggaca catgctctaa aggaaaccat 120
ccaggagaaa catttgacaca agttctccta tgacttgaga ttgcatctga gaaggggtgca 180
ggggggagaac agacagaaac agccactct gtgtgcagaa cgccgtgtgt cctcagtgtt 240
tctcggggcc catagctcat tagctgcagt tggatatgaag cctgcaacct 290

<210> 161

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 161
cacattttca ccattttatt cattaatgtt gtcagatggt ttagtggggc atgtggggaa 60
agaagggtag gagttgtccc cccatccccg tgcacaggtc aggacatgct gggggctcct 120
ggagggagag gaggatgggg tcagcctagc cctcccacc ccagatttnt gcgagggccc 180
ccaggatgga ggggtggtggg gggatgggca gacccttcag tccagggtag ggaagctgag 240
attata 246

<210> 162

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 162
gcttgtncag gttctgttta ttatgtntct acagccttgt ttatagtaaa ggtgaatgac 60
atgattccac tttacacgat aatgaaaaaa ctcaatgagg actccatcag ccaagcgggt 120
tatatggcag atgagctgct acaaattctgt tgtgtgctcg ccgcgtgact cagctaattgc 180
taccgggggt ggagcgcaca ccgagcccag ccaccttttc catacctggc agaggggaagg 240
gagtggaagg accagaaggg agtaagantc aggaaaggaa cagttttattg aaaggaccca 300
gagcccaacc taggaaggcc agtggcccat cctgaaatct ctca 344

<210> 163

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 163
cagaccctcc tttatttctt gancgatgtc acagcagccg taaaagaaaa ccagatgacc 60
ccaaccaacc tggcgtgtg cttagcgcct tccctcttcc atctcaacac cctgaagaga 120
gaganttctt ctcccagggt aatgcaaaga aaacaaagtt tg 162

<210> 164

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 164
gcagaggcct ccacttttta tttcagttgt actcatctgt ccactgtgc aaatggagtc 60
acacgctcac tcaattctga gaggcctggc aagnaaagag aaaagatgcc cagagcagtc 120
tgtagagtt gcattctcag actaatatct ttacagtctt gagaaatcac tgtcagggtt 180
tatttaaaat gcagattttt gaaggataaa ttttacgact aatttttttt aataaactat 240
gcaggattgt tatttagaag atttgccaaa tttagagtct tcagcgatgg aaataattgg 300
ccttcttgtc acagtcttct gtttataagt gggtaaagaa agttttcttt ccagaaaaat 360
acagcagaaa atccgatggg tctgatagga gttaattgtg gagatgtgcc agagacagca 420
gcttcgtgga tggtagacacc acaatgtctg t 451

<210> 165

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 165
gcatgtattc ttcaattcag ggtcctggta atcactggaa ccacaagttc aaatgccatc 60
tagaccataa ggactcttat aaaacacaaa ccacttcac c atcaacaaac ctatttgcct 120
actagaactt ttaaagcaag gctgcaaact attcaagtaa acaaccttgt ggggtgggtg 180
acatggaccg agagctaaca agagaacact ggaattagct tctcagtttc aaaatangga 240
cctaaaggag tttgcgctat aggagaagag ttgcttgcat tttgttttaa tgggaaataa 300
attttg 306

<210> 166

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 166
taaacgagat gtttttaaga agtgacaaaa ctacttctaa gttcttcatt ttcctagtta 60
ggacaatatt cacaggaaat tgaaattatt attctaacac ttaaagtga atcactgaaa 120
ctgttttcat ttacctgaag attttaacaa acaggggcat gcaggacaga gtacctcagc 180
ctctgtaaat gcctggaaca ccccaactcc caaaggaagg cagagcaggt gcacatttcc 240
agagaggaat tgcaaaggat gccacagaa acaggtaatt cattaccaga gaaaagtccc 300
tgatgttgg aatctcatgg ctgaaggcag aaactcaatc cgggtagaag ctnagtcaag 360
ttaatccana tggaagcaac ttaaattagc ttttctttta aaagagacac ctgactggg 420
tcccactcat tacctgccat att 443

<210> 167

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 167
ttgcaaaaatc aaaaatTTTT tattocaaat acaatattct ttcaccaca cctcggtgc 60
aaggcatttt gtagagaatc tgtctgggga gagggatggg tactggaggc acatccgggg 120
caggtaggag acctggtggc caagactggg atgggggtggc accatggggg tatcgaggac 180
gtgcatctgc tccagctcca tgtggcggtg nanngcngc anngcnggg gctncangct 240
cnngaacncc ntnaanttgt tctcggcgaa ctctcgaact cgctgtgcac agtgggtggg 300
gtnnaaatcc cagtaanggt cgctatngct ctccccatca ctngctgaga taatgggtaa 360
tactcgtgcg ttttngcgtt tgggtataaan ccngtcata agggcaccan gtctttctga 420
tgg 423

<210> 168
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 168
 acactccaag cactcacaaa tggctttcac aaacacttag cctaggctgg aacacaaaag 60
 gatatcacaa cagagtccat tgggttttac ttgcttacat caccaaagaa tgttcatggc 120
 agttaatttt caggctgtaa aaactacatc tatggcacca acatggaatt taaaaacaag 180
 ttggatttca aagtacccca aatgccaaaa actgaaagta ctatcaaacg ggtctccaaa 240
 gaagtctagg atgctgtgat gcaggcctgt ccatatacct ccctggaccc tcagggtgcta 300
 cctacaggcc tctgctcatt tcccataaac attacctcac catcccagga caacaaagga 360
 atgccatgta agaaacaaac aagactgggt atctcctacc acaaacagga atacagaaaa 420
 catggggcca gattcg 436

<210> 169
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 169
 acaacagcat caaatatcca ggggaacttta tttttaaaacc ataaatcaaa cagacacaac 60
 tttcattgac ccaaatatgc ataatccaac ctgaatataa aatgcactga ataggtaaatt 120
 tacatgatac aaaggggaatg taattttaca aatgtgaaat gattgatggc tacagcaatt 180
 taacaaaata attaaaacat tgtatgttta aaaacaagaa tatcttaaag ccaattatct 240
 atagtaaacc aaggggaaatt ctgggtatgga atgatttgat tcaaaggaaa taaggcacct 300
 gctataaatt tagagaatat ctttcacttt taaagttata gtaaaataga attagttaac 360
 caagactggc ttcagaggga accaagttca gggattcact tacagggtga aaagaaaatg 420
 atcaatcaca acctacgaag tcatacaaaag gaagactaga c 461

<210> 170
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 170
 aaatttaaaa agccaacctt tattccactt tgaacaagtt tgtgaatgtc caaataaggc 60
 tccttgaaaa tttctccttc aggggtaagt atcttcacat aaccttcttt ttccagaatg 120
 aagagacggt gcgagccatc cccactatgc agggcaccaa cgggctgccg cagcccacat 180
 cacaacctcc tgaatacaga agcagttgtg tttgtgcttt ctgctgatct cttccacttt 240
 gtcataattct tccatctggc ccaagtagtt agatgctggc cctctgactt gttttcttgg 300
 aaaatctgga aagcacaacc caccatcttt tcttgcatag taaaagcaaa actcatccgc 360
 agt 363

<210> 171
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 171
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tctccctgcc cccagtttta cttcccgacc caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcattttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattcttt ttaaagctga 300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca 360
gatactacta ccttttttcc tttaaaaatt aaaagggtata atattaataa aaattccccc 420
ggaatttg 428

<210> 172

<211> 466

<212> DNA

<213> Homo sapiens

<400> 172
attttttata acagctttat tgaggtatta ttcacatacc atgctttaaa aatatacaat 60
tcagtgggtc ttagtacatt cacagagttg tgcaaacatc acatctaatt ccagaacatt 120
ttgatcactc ctcccaaact ccataggcat tgactttaat gtaatggcat atacatatat 180
agaaatacat atagaaacca attattctag caccatttcc attctttccc cagggactgc 240
aacatcatct gtcataaatc aacttttcat gtctgtgtga atttggtttt gatctcccta 300
ttgagagact ggtgtacagt atttgtctat cctgcacaa attattaaag caagttttgc 360
cattctgtta tccttctca tgaatatctt gattactttt ggccctaact catcaagtcc 420
cacagaaatc ccaattggaa tcctaggtta aaattgggtg tgggtca 466

<210> 173

<211> 406

<212> DNA

<213> Homo sapiens

<400> 173
gtagcttgcg tattattttg agcatctttg tttattaccg ctagaaggca ataactagta 60
caatgcttta tatgtataat atatacttat atatgtgtgt gtattccttt aaatcagatt 120
ctgattatct gaacatactt attttttaaaa gacatccata gcacactcta ttctttatgt 180
gtaaggataa acaatccaag catactgtga agatcctgta acatatagct ttatgacttt 240
ggtttaattt tctattcccc agtccacatt gcttgccggc gttctcttac cctgcatatt 300
ctgataacag gagcaaagtg actggcattt tcctccttct atggaaccag gggattcact 360
agtgtttttt ctatataatt cactggcaga gctataataa aacaag 406

<210> 174

<211> 272

<212> DNA

<213> Homo sapiens

<400> 174
ttttttttt taattagctg ttcttgtcat atagttttat tcctttatct ttttttgaac 60
attttataca ccttatttcc aatgttccct ttagatcact ctattctctt tactctctgg 120
gctttgaatc tccttgtttc ttgtatctgc tgccctctct tgggatacct gggagttttt 180

cctctgacct cgtcttcagt aggaaatgat tttccatgag aatcctgggtt cccctggatg 240
aggacggtgt ctctgggga gaatgtctg tt 272

<210> 175
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 175
caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
gctncgttac aatgaagaaa tggtttccctt tcgatgcaaa gtataattgt aaaccacagt 120
gctcgcacag ttcacgnctg nttaaagnga aatccttagcc atacatcacc taaaagtaat 180
taaaaagtca acacag 196

<210> 176
<211> 417
<212> DNA
<213> Homo sapiens

<400> 176
ttttttttgg catggctttt ttattctctt tgcagccaag acctgttttt acaattaaaa 60
ccaaaatttt gaatcacaag gtctctatgt ctatgcatac ttgggaactt agtgtgagga 120
aataatagtt aattgaaata ctagtggaaac tgtaaacca caaatttaga ctaccaggag 180
aaactgaatt atttgatata ttacatgtaa tgatgcacgt tatatatattt acatatatta 240
catatatatc ttgttaggtg aaatgggccc acttgactca ctgaacttta ttttttagac 300
agagtctcgc tctgtcgcgc agattggagt gtggtggtgt gatcatagct cgctataacc 360
tcaaactcct gggctcaagc attcctccca ccaaagtctt gggattagag gcatgag 417

<210> 177
<211> 413
<212> DNA
<213> Homo sapiens

<400> 177
ttcctatgct ttttttctat tttaggcaca atgctttaat aaattacaca aagactacaa 60
acctttatta catcaattgt tacaaaaggc taagtggaga aagattactt atctgaagct 120
gcacaaaatc agtgggcaat atggatttca ttttaagcttg tcaattctcc tggattaaat 180
tcttggcgct gtctcacata ttcccaagtc ctacatgtag aatgctaaaa gttgcagtta 240
ctaggttggg aaagccatgc ccagacgccc ctgtgaaaaa catatcaata tattaagttc 300
cttagcaaat cacatctaga ttaagttcat aatgcttttt ttttttttaa ctttgcaaat 360
ctccaaactt ttgctacttt cttaataaaa tacaacaaaa tttttggcat tcc 413

<210> 178
<211> 233
<212> DNA
<213> Homo sapiens

<400> 178
aagcttgacc taagcataca cagaaaaaat taatatTTTT gttgttgTtc tagattctat 60
tattcaggca ggcttttctat attttcccct taggtatcta tacttttagta tagatgctgt 120
cactgtgaga gactacagaa agcagggaaa atagaagtTc tatagcttca tctaccaagg 180
aagatctagt ttaaaaccta gtaggggaca tgtcccaaca acttgaaaat tag 233

<210> 179

<211> 314

<212> DNA

<213> Homo sapiens

<400> 179
tatatacgaa ttaaaattta tttcaaactg ttttgtacat ctttttaaaa aatgaaaatt 60
caaaagtctt agaattaaga atgagtcttt gatatcataa agctgtgtat aacaataatt 120
aaagtagtgg taacatttta ccttTgtaaa aatgtcacag aattaaaatc tcaacttgga 180
tcctcaatga ttcaactggT ttatcttaca caataagcgt ttggTcagtt tcaagataaa 240
atttccccag acatgctgtc cttaagtcct tcctcctcac catccatcag ctcacacatt 300
ggggtagctg gctg 314

<210> 180

<211> 319

<212> DNA

<213> Homo sapiens

<400> 180
tttttttttc actgtcacca tgaattttaa tttattgagt gccccacaaa tgctagtcta 60
ttctcagtac atttTatgaa caccatttct ttatctctaa aggatgagag aatatttgct 120
actatatatt ttttttgctc atcaccagc cagaatacaa atggaactcc tatgaatatt 180
ctaaagcata atgaggaagg ggctccaggc taaatgcaag tatccttgat taatgttttc 240
cccaccactg ggaatcacc tcctccgctc cctgaagct tccccacaag gtgcgggggg 300
aagcaggaga aaaaaaagg 319

<210> 181

<211> 194

<212> DNA

<213> Homo sapiens

<400> 181
ttttttttta caatgtgttt attggacaca caaaaaaact ttgcaaccat cataatacat 60
caatatttaa cctagataat tctgaaataa tttggattct ttcatttttc aggatttgag 120
ctcatcaatt atgttaaatt tcctatatTc tgttacaaat ataatacaga tttcataagt 180
ctgccttgat tcac 194

<210> 182

<211> 247

<212> DNA

<213> Homo sapiens

<400> 182
ctagtTTTgt ctttttgGca aataggagTc cctcagaatc tacacttgct ctgaaatgta 60
gaaaaattga ttcaataaag gacggTggTg aaaccgtcct ttgagatatt ttacttttct 120
tcttaaagag catacacttt ttaatgatcg tgtgtgtgtg tgtgtgtgtg tctgtgtgtg 180

tgtgtgtgta aaccctttaa aaagagattt tggaaactga attctgggaa cgtttttttt 240
 tttttcc 247

<210> 183
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 183
 agagggtgat aaatgctttt aatccccaca ttccacacac gggggacgct gtcattcaca 60
 ttttcatatt tctgttctgg tgcagtcctg tgctctcacc accctcatga atgagggact 120
 ttgatagatg cctggggttg tgggctctgc ggtactggga aggagataca caaaggggtcc 180
 tcggaggagg gtgtgggana gctttgaagg ggacaaccac tgcngacacc tggaggggag 240
 ctaaggggaa natcctgaga cttaangag acattggaat ggcttgggc 289

<210> 184
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 184
 attaggagat aagtttactg ttcattctac aaagacactt aactcatgga acactgagtc 60
 actctaacc ttgacttcat tacacaaaat gaaacacttc tgaagaaata cagaatttct 120
 taactcacgg caggatcaaa gaacaaaggc tctgtcttg gcatttcaaa gttgaacaga 180
 gttctcaata agaaggccac agtcaaatac taatggaatc tcaactctaa attaaaatga 240
 ctaatcatta aactgttcaa cttagagtaa taaaagattt ctagatacag acccgctgg 300
 cctatagtca gtctgggaag ggctagaaag aaccaaccca tttgtgtggc ttccgtatct 360
 tccttgcaac agcaatggaa acccagcagg gaaagcagtg gagctggcag agggcaggg 420
 gagaagacac ccagttagga ctgacgggag aggagaggcc agggcagcct caggtacagc 480
 tcatacctgn acttccttgg cctcagaaag ggttgccttg attgnccatg ggtccctaaa 540
 ggccgccaga ggcttttggc ctggaaa 567

<210> 185
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 185
 gtggacactg aagtctctgc ttggtagta gtcattctaat agttgtacac ggatttcctc 60


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aaacacttgg aatcaataat tcaaccagtc tctgccaagg agctctgtgt gaatgctgag 120
gcacactcaa cactccgcca tgcaattgac aactctgcat tccctttact tatggcttgt 180
gcagantcga agatcagctt gaagtgaagag ctttaaggctt tcttgggttt ttectgagca 240
tctgcacagt cctgggcatg gatggagtcc tatttatgca tttggcagtc tagattgcca 300
ataacacttt ggaagctttt caaagtcctt atgaaaatct ctttttccag cttctccttt 360
taggcttttt atttagccaa ttgctttccc ccaactgtta tacattaacc ccaggcagcc 420
aca 423

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<210> 186
<211> 219
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 186
aattgataaa ctgagtttat attcacctat tggaaacagt acaacatatt ttacatcagg 60
ttatgaaata tggatgtttt actaaaagac aggaagagct ttttccagtc tttaaagtaa 120
atacatattc aaagaatctt aaggcatacc atttattcat attcatactt attgaaatac 180
tgtacatcca catacttcaa taaatagtta aaaaccnga 219

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<210> 187
<211> 477
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 187
gaccatata tctatattat tatcttattt attatccgtc tctcccagct aggatgtaag 60
cctcgtgaag gtggaggagg ggggcttatt tctgaatctc cagcatctag attggtacct 120
gccacacaaa tatgtgctcc ataaacaaat gcactttttc ttttctgcac tccctggggtt 180
gcaggctgca tgcgaaanacn gtectcaagg ccagggatct gtctcaagcc tttttgaaaa 240
ccaccccttt cctacgtgcc ccacacccag ctctagcagg gtgccctcct gccctgagc 300
ctgccctcat catgccatt gccgaggcct caggactgaa tcacattttt ggagtcttcc 360
caggataagc caataggcat cattattcta cagcgatgct catgtataat tataattatt 420
atcctatatg aacgatccat tgctgctgtg taattccaat ggnaattact gggccta 477

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<210> 188
<211> 501
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 188
ngaacgggtct ataagatcca gatgtttatt tcaaaaccca aacccttggt accttgaaga 60
atctttacat atttacgtaa tacactgtac attatatgca tggcctgttt atactatttt 120
caaaaagaga atattgtttt aaactattaa taaacaaaaa ttaattgata gggcagcatc 180
aatctgtatt ccatccttgg tccatggatt tccttaaagt atggcatcat gttcatctat 240
ggttcgatac cgaatgcctc ttcttgagta atacattttg catccaatgt aaagaataga 300
taaaactccc agcggttaata caataccacc aacaaagctc ccagtatcaa attttgatcc 360
tttctttgct tcagaatgca tagttgttgt gattgttact gatgaagcag cagatgtcac 420
tgaactattg tggggttacg gtcattgggt gatgttgata tctgagatgt gtncgtgtgaa 480
acacttggtt ggttttgggg t 501

<210> 189

<211> 310

<212> DNA

<213> Homo sapiens

<400> 189
tttttgaagg cttaagcaat cggggacgag ctttattgag gcaatcacat ccacatttca 60
gttgtttgca atgattggca aacggatgag ttaaaaaagc cttctgcttc cacactgttc 120
cgtctacatt cagaaagcag taaaaatata ttcgtgcaat gaacactttc caccttaagc 180
gtatcatgac agttcacaaa tttgccaca gacaatgcaa aacaatattt acaagataga 240
ccctttgtaa gttccaaatt tagatacttg tgggtgaatt ctaaaactaa catcgcatgt 300
ttttccaggt 310

<210> 190

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 190
ttcggttctc agtgttggaa agtaatatgg taaaacttct cttctccgag gacaatagaa 60
tagtatttgt tgtatagact gaaccatcct ccaaaatttg gaagtcagga tcaattgaat 120
gaattagatt tgcagctgta aagcactctt tcagggttaac tctaccaaca agtttctcgg 180
catctagttt ggaggggaaca tgtaatgtca catttttgca ggcactactg gcaaataatta 240
agatcgcgag ggtcagcagg agcagccggc agaggggtcc gttccaggag ccggacgggc 300
gngctgcct ccatggagag ggctcggggc aggtcgcggg ccgancgtcg ggccgggggt 360
taggagggct ccgcggggcg agggccgcgn cggaagcgca gtctggggcc gctgctcagg 420
aggaacgcga agcganggag gttgggg 447

<210> 191

<211> 441

<212> DNA

<213> Homo sapiens

<400> 191
cattattata agctgaattt ttatttttact aaattatcta tgtcaaaaaa attctgtgcc 60

tggcgtggaa	tttactcca	tcaagtgtta	caatgatttt	ttcattttca	ttacaagcag	120
gagaatgaat	gtaggacaag	tgtaggaaa	catggcaata	aattagaata	taatttacia	180
aagcaaaaaa	attaacagt	taccacatta	ttactgagta	taaaataata	agcaacaact	240
aatcacaata	atacaaagg	aatttcgttc	tgtgttactg	aggataccta	tgtgacattc	300
attcaaacia	aaaagttcct	aatgaaatgg	actatttggg	aaatcatatg	tatctcacgg	360
ggtttaataca	ttaggggtaca	tttaccgttc	ccttttttagt	aggactttat	cccagtggca	420
gatactgctc	ccaggtgtaa	g				441

<210> 192
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 192	
gcatttatna	ntanttttta
tctctctctg	tgaatcatct
catgatactc	ttaacaattt
taaggggaca	tttaacaatg
gggtatgtca	ttgggcatct
accaatggca	cagggntacc
	ccccnttctg
	gtncceanca
	cat
	60
	120
	180
	240
	300
	343

<210> 193
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 193	
cctggcatta	tctttttttc
tcggaacagt	tttctgttg
ttgggggtat	ggagccgcca
actcttcctc	ataggcagt
atcttctggn	cagaaaaatn
tacacacaga	cctagtaatg
ttaacatttc	tccaagtnca
	gaaattcatg
	ggcctcccaa
	actccacca
	60
	120
	180
	240
	300
	360
	409

<210> 194
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 194
gtgttccaat aaaactttat ttacacacat tgaaacctga atttcataca attttcacgt 60
taccaaattt taattttttt tcaactattt aaaaatgtta aaaccattct tagctcacag 120
gctatgcgaa anagancaac cagccagatt cggcccacgg tttaaggcca gtttaagcct 180
caccaccttc ctagecccaac tcacctattt tgctctctca tcttctctgtc cttcagcacc 240
cccatgacct tctgtgacc ttcaatggcc cctccagctg ccgtccagcc ctgtctgtct 300
gcccttnggg gacctctctc tcttgggctg caggactgtt ttttcttga gcaggtctct 360
aaatagctcc attgccttg gcaggggaa tccag 395

<210> 195
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 195
ttttttttt tttgagtttt gagggctttt aaataatgtg tgtgtgtgcc tctgtgtgtg 60
tgtgtgtgta tttttttcta gatactagtc ctttgttgga tgtgtgattt gcaaataattt 120
cctcccagtc agtagcatgt cttttcattt ctcttttctg ggcctttcac agagcagaag 180
tgtttaattt tgatgaagtc cactctatcc atttttcttt ttatggatca tgcttctggt 240
atcaagaact ttgcctctct ccttagatcc cccaaatttt ctcttttatg ttgttttcta 300
aaagtattat agtttacgtt ttacttttaa gtctatattc cattttcagt taattttgta 360
taaaatgtga gacttaggtc tgggttcatt tttnttggtt ttgccatgg atattcaatt 420
actcccaaca tgatatttgg tcgaaaaggc ncttttttgg ccaatgaatt ggtttttngc 480
ac 482

<210> 196
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 196
tctggcgggc taacgcttta tttncacgcc aaggccccgg gccgcctgng tttctgtctca 60
gaagatcctc acggagtcca gctgcacgtc cccgccacc tccaccaggc gcacgcngca 120
tgccgcatgg cgggtggcga agtggtggtg ctgggcgtcc ccaaccacgg ccttgaagcc 180
gtcgtctgac gcatgatga gcacctcgaa gggctgcccg cgctggaaag gaacgcccg 240
ccgcgctcc tcgcggcccc aaggaagcct tgctcctttg ctgttgaaga ccacctcga 300
cgtgtccagc cgggggttga aatgcagcgc ggcacggag ccctgctcct tccccgcaca 360
gcaggtttta caatggaacc ttgcttnggc atttggg 397

<210> 197
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 197
 ttttttttga aagccgtaac atttattgaa gagcggacat atgtttgcaa atcacagtgt 60
 gcatgggcat gcattacatg gttcataatg ctattccaat taggcctttc atagtgcctt 120
 ctcataacgt ccttttaaaaa aaataataac tgaaagggaa aagaaagtgt caattgcaat 180
 tacattttaca aaaccaaact gctgctttca attagagtga atctgtgctt cgctactcag 240
 atatacacat gtagattttc caaggcccat gcacacactt ctgtaggggc agaaattttc 300
 tatgaataat ggcttttagca acccgaatag tatctctaaa cattgacaag cttggggaac 360
 agggcaacaa gtgcaatgaa caatacaatt tctaacgttt gtcccagtca acataccact 420
 ttgccttgga gatatttaac acagcatttc atttttggaa tgataagggn taattcntcc 480
 aatttanggg gattatacng aatataccna taa 513

<210> 198
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 198
 gctattaatt tcatgtttat ttcatacagg gtttttgtca agtttatcag ttttaaaatg 60
 attaagtcatt aatcaccatt caaagacaaa ttttcctctc aaaataataa tttccattct 120
 gctacctaca gtttggttta tccttttggtc tgatagccat acttcatctc acgaggacta 180
 tacaagtatg tactatgtac aaaacatttt caagtttgct ttca 224

<210> 199
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 199
 tttttttttt ttattgtgaa cacaattttc tttatttcat ttttggagtt ttctgaacag 60
 aaaaatacaa ttgattttct gtatattgat ctagcctgtg accttgctga acttgattaa 120
 ttctattaca ctatgatttt ttgtttggtt tagaccctta cacaatcaaa tgagggttaa 180
 aaaaaattgt cagagtggcc ccagaccaac aacaggatga cagtagcctt tgcccataca 240
 gagataaaat ttagtttttg cagtcctttc ccatagagat tgtatggcag tagcaattct 300
 atggcctact gccatacaac ctgaactgaa gtccagaaag tttaggtgac tgggccacag 360
 agctaattac tgggtggagcc aagaagagaa attatatccc tacctccttg ccactaagc 420
 tccccattcc agtgggctgc tttctggt 448

<210> 200
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 200
gtccaaaaaa tatgtagtgt caagttcacc actcaaattc taaagatgtc agttgtctaa 60
gggacaaaaa agttgccccca aaaagtccta gggaagctta tgggtacact taccttgctg 120
gagaatggtg ccatctgcat taactggttg atagacgatg gtctgccctt cagcagtctg 180
tgcacttgct gtccctggac agaattcgtg ctgcatgtgt ctgggtctggc cagcagtgc 240
agccgtctgg ggctgctgga tgatgatctg ctgggtctgg cctgctggcc tgcacctgca 300
cagcctgtcc accctggatc tggatctgtc caggtgggac caactggtat ttgctgcaaa 360
ccctgtgttc cagaaaca 378

<210> 201

<211> 403

<212> DNA

<213> Homo sapiens

<400> 201
caagtgaaaa taaaaattta ttccaagttc aaagtcatag agaggaactg aagtcatacag 60
gtgcaggact ggggtcagga aagggaagg actttgtgtg gctttatatg aaggaacgag 120
tttaacatga ggaaggaacc atgaaccaga gataaagaaa gctgtgagc aaagttaaag 180
gatecttttc ctgtttctta gctgacaaaag actttcttca gctagccata aggcaactgt 240
caaatatcat cacatttatc ttgaaggata aaatttgtgc aagctcaatt gaacagcaag 300
aactagatgc aaggaagaag tcagccagga tgactgtggg gctgggtcat ttctcagctt 360
gttagagact gagccagag atagtcttta gtccagactg tta 403

<210> 202

<211> 393

<212> DNA

<213> Homo sapiens

<400> 202
ttttagaagt gacatattgt tatattttca ccataggttt gctttaagaa atagtgtctc 60
cttcagaatg gaagaattta tctgcctctt atttgatgtg gatcagagct aagatggctg 120
actaaataaa catgggggac tggaatctcc ttggagatac tctggaggaa gttcacatcc 180
actccaccat gattggaag atctggctca ccatcctgtt catatttcga atgcttgctc 240
tgggtgtagc agctgaagat gtctggaatg atgagcagtc tggcttcac tctgcaaag 300
aaacctaatt gctacggggg ccggaagagg aataggtgcy gctccgacag ccagaggggc 360
gggcatacgc agcctccctc ggctcagcct gct 393

<210> 203

<211> 395

<212> DNA

<213> Homo sapiens

<400> 203
taaaaactgg ctttaatgga cattaacaaa taatatacac tgatttatca cttttaagca 60
acaaaaacat gacttgtaat tattcaata aggtaggatt tttctcttaa gtacacttct 120
taaaagtcac tcacaagaca actgggcac cactaagacc aaggcactgt gggggaggca 180
aacagcaca catcctcacc tcaaggagct cagcctggga tgaagacaga cacacacaac 240
tccagcatga ggccaagggg tagcctgtta tgggatcaag tgggtggcaga atcaagaagt 300
ggttctgaaa gtgttcttta gtcacagaga ccagtaggtt tgaaaccag tgatgttact 360
ttttaacttt gtgccttacc tactataagc ctcag 395

<210> 204
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 204
 ttttaattgag acaaggtctc agtatattac taaggttggt ctggaactct tgcgctcaag 60
 gatactcctg tctccacctc ccaaagtgtc gggactacat cacagctcac ttgaa 115

<210> 205
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 205
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 ctgcattgct caactaatga atgcaggaag gactgcatga ggccagcacg gcacgtcctc 120
 acaccagcag ttcttcttgg tctgagtcct ttcttggtcag cagcagagag aacagagaaa 180
 ggcgaacact gtgttcatgg tgcatttgta attaatgtat tataattatt ttgtatcttc 240
 tgttagatct tctgccttga ttccagtggt ccaaatacaa aagtattgac tactgtccct 300
 gatgtgaaga gcaggatcta ttgaagccga acacatcctc ttccagttcc aggtaggagt 360
 gcagtaagaa gaggtttctt acaggcatga tgcgtgtgat ggataagtgt g 411

<210> 206
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 206
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 tggccttgac aatctccatc aaagaaacca aataagcatg ttaaggaaac atacagtata 120
 tgaacagtta attcttgtat tgcttggaca tcaataaatc taataaaaac gaccaagaat 180
 agtcactcag ttttacaata tagaaggcag agaaaactct gacactccaa gttgtgaaga 240
 caatgaaaca ttccagtact ccattagagg actttttgta tctacagctg cctgtgcttt 300
 gaaggtaaaa acccagaatt taaattcaaa catattcagt taatgcactt atgcatttta 360
 caaatttttg ttctggtata gcatatgaaa gggagctata tctgccccca tttc 414

<210> 207
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 207
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 aatcctctga gtggcacccc aaaattgaga aaggcagaga aatgaataat tcaataatgc 120
 tgaaagtcac caatgtaatc aaaattccca agaacaggac agtaacagcc ttacactgac 180
 tattttggtg agaataacca caaatgtagt ttgatctag gatgaaacca aatgtgagga 240
 gaatgattcc agctattgct cccagggcac taagaaaatt cattattcgg ctcaatatta 300
 tcagagtttc tgtggttttt cttttcactg caattaggag ggctccagaa ttaatgaaca 360
 aaacagagcc ccagaatgga ta 382

<210> 208
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 208
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 ttaaaaggag aatggagcta ggagttgaga gaggcaacaa ataatgagag agcagaaagc 120
 aaatccacaa aaaactgtca catgacagag gccagaatgg agctgatgca gctgcgtcat 180
 ttctacaga cctagttgac catgtggaga agaggcttga acaaattggg acgttctcca 240
 accttccaaa tc 252

<210> 209
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 209
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 agctatcagg aaaccatcct cgcgtaaaac gaagcagcgc tacagaagtg ggctgccatg 180
 ggaatcggga ggcccagggt ccaactgctaa cttgctgcag cttactgggt gattgtctct 240
 cgcgagaaga cgggcgcgc cggcgatacg gattccgagc gagtgggtgg gtagtggtg 300
 gtggtggcgg ccgagacgcg gcggccatat ttggtgaggg ctcgggagcg gcagacnngg 360
 ttcagctggg agtagcgtct gccctttttc ccaccaccg tccgcatctg tgtgctgcgc 420
 gaagaggca 429

<210> 210
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 210
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 ccaagagact cttggagaag caacacagtg gaagactttc actatcagat agcaagacct 120
 tcaagttatg agaatgaaga gagtgactta aagacttaca aagagaccaa caggacaaaa 180
 aagaaagtcc agaaacatat ccacacatga atctttgact tatgacaaaa ttggctctgt 240
 agagtagctg gaaagggaaa gtctttttaa taaattgttc tggattaatt tgatatccat 300
 ctggggaaaa aaaaaacaa aaaacaatat tgacctctac ctcattgtcat acctaaaaat 360
 caattccagg tggactgtag atttaaattgt aaaaggtaaa ataataaaac tc 412

<210> 211
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 211

tttttttttt	tttttttttt	tttttattta	ctcagtgaat	ttattgtaaa	aataaagaaa	60
ctcaattatt	ccagttaatg	gatttcacgt	taaatagttt	aactttcaat	gggctttctg	120
aagagctgtt	cataggatga	tatttggaag	agtcctttcc	ttaaggaaaa	aaaggggtgaa	180
caataaataa	agagttactt	gcgttaacgg	tcacgttatt	tcattaaaag	agag	234

<210> 212
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 212	tttcttcatt	ttcctagcaa	ctaaaacgaa	caaaaagaag	tactgaaatg	caggactgac	60
	aacttaaaat	aattccattt	ttgtttctag	tttttttctt	gaacgttaaa	gacttaaacg	120
	ataatcactg	cacatagaaa	ctaagtattt	ttgtcttaat	tgaaaattag	ttattaactc	180
	ataaaaagat	ataaaatatt	cttcaaagtt	aaagccctaa	atttaaattg	gtttatgtaa	240
	gaaatccgtt	gacactgatg	aattaccctc	actaaggctg	ggaggaggag	aataatcttc	300
	catgtcagaa	tctgacggac	ttcggttttcg	ataacgacca	ccacctgaac	tcc	353

<210> 213
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 213	aggcaatcct	ccctccttgg	cctcccaaag	tggtgggatt	tcagggtgtga	gccactctac	60
	ctggctgaga	cttgcctcca	ttttttaaatt	caaaaaatgt	tttccataga	tcggccgcct	120
	gtggaaaaag	gtgactcagg	cctgtaatcc	cagcactttg	ggaggcctag	gtgggtggat	180
	cacctgaggt	caggagttca	agaccagcct	ggccaacacg	gtgaaactcc	gcctctacta	240
	aaaatagaac	aattatctgg	gcatgggtggc	aaatgcctgt	gatcccagct	attccggaga	300
	ctgaggcagg	agaatcactt	tagcccatga	gacaggggat	g		341

<210> 214
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 214	caggttcaag	ttgaacagct	cctctttaat	caaagggaga	acacagatgt	atcaaacaga	60
	gtaggaaaga	aatgtatcaa	aagacagtag	gaaagaaagc	ctttccttct	tgaaaggctg	120
	agggtgagag	ggaaagctaa	tttatcacta	caactctatg	gtagctttcc	atgctaaatt	180
	ttccctgcct	cttttgtgat	tttttgatat	ggaagagtag	gggttatatc	ttctctgtaa	240
	caattaggcc	atatttcctt	ataccaagta	gaggtgctca	aacactgtag	tggtattaaa	300
	gggctgagga	gagtaactga	agactggcat	acagaactcc	acctggagga	c	351

<210> 215
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 215	ttttaatgtt	gaagactcca	ctcagtcatt	tgagctccag	gaagccttcc	ctggccaccc	60
	ataagttaag	agaaaagccc	ctcttctgag	ctcccagagc	accacttca	tacctatgct	120

atagaacaca cgcceaagga cggaaattat ccaaaggttt gtgtccattg attgccatgc 180
caggcatcca gctctgctga agcacgcagg ggccttgact tctcattag gtattctcaa 240
cacctccacc agcagctggt aggcagcaga gctattgtta ctgagctgcc cacggaccaa 300
tggatctatg aatgaacctg aacgtcttcc ctggagaaaa gcacttgctt gtcaaggag 360
gaacaggggt ctgaaatgct aaccctgcc ctatagtatg ggtgtgcata cggtgca 417

<210> 216

<211> 454

<212> DNA

<213> Homo sapiens

<400> 216
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ggggactgtt gtggggtctt tagagggggg agggatagca ttaggagata tacctaattgt 120
taaatacaga gttaatgggt gcagcacacc aacatggcac acgtatacat atgtaacaca 180
cctgcacgtt gtcgacatgt accctaaaac ttaaagtata aaaaaaaaaa gtcaggaaac 240
aacaggtgct ggagaggatg tggaaaaata ggaacacttt tacactgttg gtgggactgt 300
aaattagttt aagtattgtg gaagtcagtg tggcgattcc tcagggatct ggaactagaa 360
ataccatttg acctagccat cctattactg ggtatatacc caaaggatta taaatcatgc 420
tgctataaag acatgcacac gtatgtttat tgtg 454

<210> 217

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 217
gatccagctt attcttttat tttcaagtcc attcttgggg ctggtgggga ggcaggagaa 60
taccctccc taagccctta gtgtgtgccg agcttgcttt ntgatgttg caggggaggg 120
gagacctggg tggtnctga gttcccttta tcaaaccctt caatgggcac aaaattgagt 180
gcttnnttnn taggttttat ttnnnmatga atgtccaaat ctgtgtttcc cctgccana 240
acagactgtg tggccagttg aaagtgtctt ggtttgtggt tcatctctcc ctcatcttct 300
tggaggcagg gctgaganc cctgncanaa tctcctatgg ttntgaatcc acggcttctt 360
tttgacatt aaaggttgat ttgatgc 387

<210> 218

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 218
ctcgagactg aatcttgctc tgtcgcttag gctagagggc agtggcgcaa tctcagctca 60

ctgcaacctc	tgccctcctgg	gttcaagcga	ttctcgtgct	tcanccacct	gagtacctgg	120
tattacaggt	ggctgccacc	atgcctggct	aattctgtat	tttttataga	gacaggtatc	180
tcattatgct	gccagggctg	gtcctgaact	tctgagctca	agcaattcac	tcaccttggc	240
ctcccaaaag	tgctgggatt	acaggtgtga	gccactgcac	ctgggttgaga	cactactttc	300
acacactttt	acatttcaca	cttctatgaa	gacaggggtct	gcaatctggc	aatgtctatg	360
athtagtggg	aggtagaagg	aggcccaggg	acagaaacat	aaactttcca	tgtcaggatg	420
ttggctgtga	caagcatgcc	caagactttg	gacatgattt	ttctgttcta	gatctgtttc	480
c						481

<210> 219
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 219						
catggattca	ctctattgcc	caggetggag	ggcagtgggt	tggtcttggg	tcaactgcaac	60
ctccatttcc	caggetcaag	caattctcgt	gcctcagcct	cccaggtagt	tggtgattaca	120
gtcatgtact	accatgcccg	gctaattttt	taatttctctg	tagaggtggg	tggttgtcat	180
gttggttagg	ctgggtctga	actcctggcc	tcaagtaatc	tgcccatctt	gacctccag	240
agtgttagga	ttacaggtgt	aagccattgt	gcccgccctc	catgatttta	gaaacaccgt	300
ttttctttac	ttaatttttt	cttaattaga	aatgggcccc	gacatccaac	aagcaattat	360
tacttaattt	aaaaatttca	ggatttttaa	atatatgaaa	actctattta	caagcattta	420
tttttaattt	attggagatg	gagtctactc	tgtcacccag	gctggagtg	agtggagt	478

<210> 220
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 220						
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ctgcatcaag	tttgggtgcc	tggtgcagaa	gctgagcatt	gacgggacag	aggcataaac	120
tgcagcgctt	gataaaatag	agcccagtat	tctgaggtta	gtgaagaaaa	cacaaagact	180
tgacagatgc	actcccagat	cgcactctcac	agtcattcaa	ggtttagggc	aaagcatttn	240
catgtggagn	ngnaccttna	ccttntcccc	nccagtcatt	catcttggaa	gttccttggc	300
taagtctgca	gggaaggaga	agcagcaggc	ttgatttgca	tcaataaaaag	cagcgatctg	360
tgctggccat	gctaaccctg	ttggctatta	gggggtgggg	gcactctgtc	aaggggagtc	420
actgggacgg	tgtaggatcc	agccttcaga	gcctgctggc	ctgaccgtag	aaggaggaac	480
ctgcacacac	cctgctgggt	ttagttcacg	agcagctatc	aaagcctgtt	agccatcctg	540
gttacctgct	tgtgccagan	agaacttact	gtcccaggta	agcnccta	tttttaagtc	600
ttagttcctg	tcaaaggcca	ctt				623

<210> 221
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 221
ttttttgtgt gaaaagcctt cattgtgcaa gctgcccان caaacaaaca ccaggtctgc 60
gctggccgaa gacgaagcgt cctccctgga gtcgggaaca agtcacctct gaccacacct 120
cctctgacgc catcacctcc tcctggcccc acccaagggc tcgacacaag cccaaggctc 180
ggggggagag gggcggggcg gaaccgaggg cggaggcaag gtgggattcc aggaaggcct 240
tccgaagatg ggacgggtggg tcctgtccct ccaggtagct tgtgggtgtg gacagcagga 300
cttgtctggct cagtgtgggc acaaggacac tgtgccactg gttgagttag tggtagggga 360
ttggaggtgg ctcccagagg actccatctt gcatggccct ggccttgtgg cttccagnag 420
gcttgccctg gctgtgggta agccangagc anatgcg 457

<210> 222

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 222
tttttttttt tttttttttt ttttaatggt aaaaatatatt attttttttt cnaaaagatc 60
acacaaaagt tgggaagaga aggatgtcaa ttagactaca tcaaaatctg ggcagaggga 120
ggacaaaagag ctgcctaaag aaactggttag ctggagcaaa ctgcagagnt caagatgacc 180
ctagtccacg gaaccagcag cccaggncag ccacnttcag gngcaccacc cgnggcacgg 240
cagggagagc aaagttgctg gcccantca ttctctcttt tcagggcagg agaggcagaa 300
gctcactntt tagacatggt cttga 325

<210> 223

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 223
acagtaatgg anttnaaacc aaagtgatag ttctttatta tagcaaagtg atagtttttt 60
tatttaaaat aagttatttt ttacaacctc cttatataaa agatgtttat gaaagaaaaa 120
attgagtgtg tctcgggtgcc attttttttaa tgcaatgaat gatatccatg aaaaaggaac 180
atctgaatct tttgttttaa aagacagtgc agggatatagg tggaatttat gggnggatac 240
atcccgata aatttgccat aatggaaatg agggagaggt ggtataataa tttttttcta 300
ctgttatccc ntctagggcc ctgacttgct cngcatgggg gcccaagggg gnggt 355

<210> 224

<211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 224
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 ataaacttcc tcttccgttt cttctctctc ctcactctgtg agattcagtt gaacattatt 120
 gaagcgggggt cttgggtttgc cgtctggggcc atatgccgga gatattctttt tttgttataa 180
 tgccaaggag gcgcccattg tgagttacaa ggcactgcct cagtcccagc tttcggaataa 240
 tatccaccac gatctccatt ggggtgtggg tctgtcactg taaaaggggc tcatgtcaag 300
 gaatgcttcg aagcttcaat gggccgaggg actttctgct ggggaagaga tgggggggnt 360
 gctgtgcaaa acacaccccg aggaactgcc cacgntaccn tcttggtttt tcccggggat 420
 tttctntttg caa 433

<210> 225
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 225
 gacgcttgtc aacatttttt aatcacagca gcaaagacaa aggagcgatg gcacagcagg 60
 ttctctgacc aaccctggaa atacttcatg tttctaaatg tgcttctga tttttccaga 120
 gtcataaagc tgatgtgtgt gtggtgttgg ctgttttctt cacagtctca tgccagacac 180
 acaacataa 189

<210> 226
 <211> 222
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 226
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 ggggtacttt gtggttaaga aaatggggga ccacatctgt tggagagtgg gcatttgaca 120
 acaatgggccc aggtaccccg catgtaaaat caaaatntaa gggctctttt aagggctgga 180
 aaagttgctg ctggggcatt gcagttaatg ggtcagacat tt 222

<210> 227
 <211> 570
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 227
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taaggcacta cccccagatg ggaggggaagg gagggcnact gtgaactcaa gtntgagggg 120
gtcatctgca nnaagaccgg agttgcttcc atgtcactct cctctcaaga gaagctgcta 180
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gaganttcca tcttcttttt aaggaacaca tccgaacgan ttcagaaggg aaattttgat 300
atttaaaant cagtgtctct cacttcccac tccatccncc acctcccttt ntaagctcag 360
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ggccccctgat gggagcggct catttgctgg ccgtgaacgc tgggtttccc gtgatagctc 480
tcccaagggt cagggcgatg ttgtcatgtg taccttcgag gnttttnacg gntcagggt 540
catggcgtn cggttcacgtg atattcgtag 570

<210> 228
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 228
ataagcctaa agaacacaag tagctaaagt atgggtatat atgctaata tagagagaaa 60
agcaataaca ataggaaatg tggctcctgaa aataggcttg tgaagataaa tctacttcat 120
tctacccaaa ccctttaaga tacacattca ttngtaagaa tttaccaagc atctgccat 179

<210> 229
<211> 388
<212> DNA
<213> Homo sapiens

<400> 229
accaccaaaa tgccagaatt tattcaccaa gtgagcatcg ggtaacatcc atggatgaga 60
gtttaaacat ctcttggttg ctatggaggg tccaagaaga aaacaaaatc cattagtata 120
aaggtttgta tttgctgtga cctctattgt cttgagagac agagtagaca gaagaaataa 180
caaagtgtgaa gtcttggaat atagatgagc ttgtgatgaa agacggaaca gagtgaacgg 240
tcagagctgt tggaggaaga aagcaggaag ggcaataaag gtccaagtgg tagccagagc 300
ctcggtttat tctagatgag aaggagatg gtggagtctt ttaagcagga gagaaacatg 360
ttctgagtta cattttttaa aaatgtaa 388

<210> 230
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 230
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 atattttaag gatgtgctca agagtatgaa gcagggtgct tttgtccctt tctctcctcc 120
 ctagtaattc cctcctccct atcccatagc caagtagcca cccctcaaat nagccattcc 180
 tttttgcttt catcaatggt ctctgtgaag ttggggtcgt tgttcatgat ggcggcgctcc 240
 gcgctctctg 250

<210> 231

<211> 3041

<212> DNA

<213> Homo sapiens

<400> 231
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 ataaaagtgg aatctacact atttatatta ataatatgcc agaaccctaaa aagggtgtttt 120
 gcaatatgga tgtcaatggg ggagggttga ctgtaataca acatcgtgaa gatggaagtc 180
 tagatttcca aagaggctgg aaggaatata aaatgggttt tggaaatccc tccggtgaat 240
 attggctggg gaatgagttt atttttgcca ttaccagtca gaggcagtac atgctaagaa 300
 ttgagttaat ggactgggaa gggaaaccgag cctattcaca gtatgacaga ttccacatag 360
 gaaatgaaaa gcaaaactat aggttgtatt taaaaggcca cactgggaca gcaggaaaac 420
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 gtatgtgcaa atgtgccctc atgttaacag gaggatgggt gtttgatgct tgtggccctc 540
 ccaatctaaa tggaaatgttc tatactgcgg gacaaaacca tggaaaactg aatgggataa 600
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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens


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<211> 2393

<212> DNA

<213> Homo sapiens

<400> 254

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<211> 2542

<212> DNA

<213> Homo sapiens

<400> 255

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<210> 256

<211> 798

<212> DNA

<213> Homo sapiens

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<210> 257

<211> 2685

<212> DNA

<213> Homo sapiens

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<210> 258

<211> 1972

<212> DNA

<213> Homo sapiens

<400> 258

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<210> 259

<211> 1857

<212> DNA

<213> Homo sapiens

<400> 259

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<211> 1739

<212> DNA

<213> Homo sapiens

<400> 290

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<211> 3291

<212> DNA

<213> Homo sapiens

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<211> 816

<212> DNA

<213> Homo sapiens

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 <211> 1283
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<211> 168

<212> DNA

<213> Homo sapiens

<220>

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<210> 296

<211> 304

<212> DNA

<213> Homo sapiens

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<210> 297

<211> 701

<212> DNA

<213> Homo sapiens

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<210> 298

<211> 1953

<212> DNA

<213> Homo sapiens

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<210> 299

<211> 649

<212> DNA
<213> Homo sapiens

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<210> 300
<211> 4003
<212> DNA
<213> Homo sapiens

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<210> 301

<211> 4003

<212> DNA

<213> Homo sapiens

<400> 301

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<210> 302

<211> 522

<212> DNA

<213> Homo sapiens

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	ctatttaact	gtaactgagg	gggatcccag	gtctggggat	gggggacacc	ttggggcaca	420
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<210> 303

<211> 269

<212> DNA

<213> Homo sapiens

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<210> 304

<211> 271

<212> DNA

<213> Homo sapiens

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<210> 305

<211> 278

<212> DNA

<213> Homo sapiens

<400> 305
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<210> 306

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 306
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<210> 307

<211> 491

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> n=a,t,g or c

<400> 307

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<210> 308

<211> 260

<212> DNA

<213> Homo sapiens

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<210> 309

<211> 169

<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

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<210> 310

<211> 313

<212> DNA

<213> Homo sapiens

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aaaaaaaaaa	acc					313

<210> 311

<211> 532

<212> DNA
<213> Homo sapiens

<400> 311
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<210> 312

<211> 263

<212> DNA

<213> Homo sapiens

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<210> 313

<211> 6252

<212> DNA

<213> Homo sapiens

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<211> 2922

<212> DNA

<213> Homo sapiens

<400> 314

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<210> 315
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 315
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 aattcgggga tttnaggttc ncngaatagc ctatatatgg tgcacgggnt aggtcattat 300
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<210> 316
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 316
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 gcacccaag ctgcagagca ccaagcgctt catcaagtgg tacaacgcct ggaacngaa 180
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 ggagncctgt gcaaaggnc ttcagntta aaaaaa 276

<210> 317
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 317
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382

<210> 318

<211> 344

<212> DNA

<213> Homo sapiens

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<210> 319

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 319
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gtattnaaga cacngtnccc acctaggctg tgggaggggtg aagggcgagt tttcccaagn 420
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<210> 320

<211> 2409

<212> DNA

<213> Homo sapiens

<400> 320
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<210> 321

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 321

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457

<210> 322

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 322
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<210> 323

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 323
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gcactnggcc ntcgttttan aacgtcgtga attnggaaaa cc 462

<210> 324

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 324
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tatgttggag tataaacatt tacaacata atctgaactt ttgaatacat taattcctat 300
gttaattatt aggtatcata aattcataaa actttgtcac agataaaatt tagctataca 360
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tttttttttg ggtgatgtaa aaccaactcc ctgccaccaa aataattaaa atagtcacat 1200
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ccaattatca tgctcacctg aaagaggat gctctcttag gaatacagtt tctagcatta 1320
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atgttcctcg cattcccccc cgcttttttt tttttttttg actttgcctt ggagagccag 1440
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atgcataaac ataggtcaat tatatgtctc cattagaaaa ataataattg gaaaacatgt 1560
tctagaacta gttacaaaaa taatttaagg tgaaatctct aatatttata aaagtagcaa 1620
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ttaaatagat tcataagcat atacctgtgt gaaataaatt gttggaaaaa agtttcctta 1860
tgttaacttt ctttacgtaa gttaacttgt tattgatgaa tggtttgtaa gtatgatgta 1920
atgaagcatt aatcacagaa ctaatacatg tacatatttg aggtggcttt gccattttat 1980
accataatt aaataaaaagg gcaaaatccc ccctgataaa taccatgttt atcatggcac 2040
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<210> 325

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 325
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ctttcataca cattgtctca attcctgtga ggtcagaatt atctctgcat ttgaaacttg 120
aggaaacatg ctcagagtgc aagaagcttc cttgcctgag atcacctaga aaggaacctt 180
cagagccggc aactgaatct tggtcctgt gatgtcaagc ccattgctct nccactncag 240

aacatggcct	ctagattaat	gccaccgatt	caggaacacc	tccgacagtt	ttgaaatacc	300
cccatgttgc	cttgtttgtt	ttttccttct	gggcttcttc	tattacagtc	tctttcattg	360
ggaaggctct	gttagggcca	agggccagga	ggctggatta	ctggacacgg	gagtcccaat	420
gtcaggattn	gccancattc	aggatngctt	gggggggt			458

<210> 326

<211> 1574

<212> DNA

<213> Homo sapiens

<400> 326	ctctccctcc	ttgcgcgttc	cgggtctcgc	aagcgctcc	aaggtttgtc	ttgaagcata	60
	gctccagctg	gagggtacct	tttaagctgt	tcaaggtcaa	gatgaataca	aactcaaagg	120
	aggttttatc	cctgggtggt	caagttcccg	aggcatggga	agaacttctg	acaatgaaag	180
	tggaagcaaa	aagtcacctt	caatggcagg	aatccagact	gaaacgcagt	aatccactgg	240
	caagggaaat	cttcgaagg	cactttcgac	agctgtgcta	ccaagagacc	cctggaccaa	300
	gggaggctct	tactcgactc	caggaacttt	gctaccagtg	gttgaggcca	catgtgagca	360
	caaaggagca	gattttggat	ctgctgggtg	tggagcagtt	tctatccatt	ctgccaagg	420
	agctccaggg	ctgggtgagg	gaacactgtc	cagagagtgg	agaagaggct	gtgattttgc	480
	tggaggatct	ggagagagag	ctcgatgaac	cacaacatga	gatggtggcc	cacagacaca	540
	gacaagaagt	cctctgtaaa	gagatggtgc	ctctagcaga	gcagacacca	ctgaccttc	600
	agtcccagcc	taaggagcca	cagctcacat	gtgactctgc	tcagaagtgc	cattctattg	660
	gagagacaga	tgaagtaacc	aagactgagg	acagagagtt	ggtgctaagg	aaagactgtc	720
	ctaagatagt	ggaaccacat	gggaaaatgt	ttaatgagca	gacctgggag	gtatcacagc	780
	aggatccctc	acatggagaa	gttgggtgaac	ataaggatag	gatagagagg	cagtggggaa	840
	acctcttagg	agagggggcaa	cacaaatgtg	atgaatgtgg	gaagagcttt	actcagagct	900
	cagggtctcat	tcgacatcaa	agaattcata	ctggagaaaag	accttatgaa	tgtaatgaat	960
	gtgggaaagc	cttcagtcga	agttctggtc	tttttaatca	ccgaggaatc	cacaatatat	1020
	agaaacggta	ccactgcaag	gagtggtgga	aggtcttcag	tcagagtgcg	ggtcttatcc	1080
	agcatcagag	aatccacaaa	ggagaaaagc	cgtatcagtg	cagccagtg	agtaagagct	1140
	acagtcggcg	ttcattttctc	attgaacatc	agagaagcca	cacaggggag	cgacctcacc	1200
	agtgcatgga	atgtgggaaa	agctttaatc	gacactgcaa	cctcattcgc	catcagaaga	1260
	tccacacagt	ggctgagctg	gtctagggct	tggctatgag	caagttttcc	agatcaccac	1320
	ccaagttgtg	tggggcaggt	tgagactaga	aaatgcctct	ttcttccttt	ctccatgaaa	1380
	tgtgtttgaa	acaaatcctg	acttaaggcc	cagggacttc	cttaaaggaa	agttgggtgt	1440
	ttgaagctac	tgttttctct	tttgttcact	ttacctctt	cttactctta	ctagctgtgt	1500
	ccctcttatt	tataatttat	ttattttttt	gagatggctg	ctaaaccctt	ctaataatat	1560
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<210> 327

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 327	gggaagttta	ctggggccatc	acagactttt	gttctagtga	ttgtatgtat	taggagtcac	60
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agcatgccct	acggagatct	ggattcttat	acactaagat	gtgtcttaag	aatcacagt	120
cgtgcttcat	ccctttattg	aagaacagaa	aattatgact	actctacaag	gtggataata	180
ttttggtagc	tgtggctggc	cacagccctg	ttcctcaaag	ctgaattgat	agattttctct	240
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tgcagggagg	gcaatagctt	tgtaaattgg	nttacatttt	tctccttgaa	tttttctagg	360
gtcctagtgc	ttccgaatca	tttaatggca	ttgtcggata	tcctttttaca	tttcaattgc	420
aatccatgaa	attacattta	gaagattctt	agtacttaac	ggtagtcttc	ccatgaattt	480

<210> 328

<211> 386

<212> DNA

<213> Homo sapiens

<400> 328	cttaaaacca	actttccatc	cgagaagcct	cctcagtagt	tactctgctc	atgagacaga	60
tctgggctcc	aagccaggaa	aggtgaacag	aaaccacaag	tgtccagccc	tcgggtgctgg		120
agtggacgtt	aattgtcagc	caccagactg	tcccggcacc	tacagagaat	gtttcacagt		180
tctggcattt	aaatcctttg	atagtggatt	gtgctgctgt	tagccttagt	ttcagtgcctt		240
tacaagtctc	gcttattatc	tcattgggat	ttaggtatac	aaaacagttg	attattcacc		300
acgccaatat	ctgggtctct	gtatctcatg	tagaacataa	gaaaatggga	actaataggg		360
aactttattt	atagcatgaa	aataaa					386

<210> 329

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 329	gataaaaagca	gggttggcct	cagcctgtgg	tctgtctcat	gctctccctg	ttcctctccc	60
cgccacccca	gggcctccaa	gccacctctg	gaaataacttg	gctctgccc	tgcacngcgg		120
aggggcgcca	cgtgcgagct	gtggaattgg	gccccgtggc	agagcccat	cccttggggn		180
tcgtngggga	tgcgcccaag	cccccgaggg	agaggcctgg	ggacaccaac	aaatctaagc		240
cctccctagc	tgcttggtaa	ctgtgtcatg	aagctgccgg	acagacacac	gtggcatctc		300
cctgggcagg	agagcaggcc	tgcagcatgg	gtcctgttcc	cgtgtgccgt	gggtggcagt		360
ggctgcacct	ggcactaggg	ctgctctgtg	gatgtgggtn	acaacggcag	gaggggatgc		420
tggcctt							427

<210> 330

<211> 327

<212> DNA

<213> Homo sapiens

<400> 330	ctggaaggaa	cggatgggcc	tctagtgaca	gatccagaga	cacacaagag	caccaaagca	60
gctcatccca	ctgatgacac	cacgacgctc	tctgagagac	catccccaag	cacagacgtc		120
cagacagacc	cccagaccct	caagccatct	ggttttcatg	aggatgacct	cttcttctat		180

gatgaacaca	ccctccggaa	acggggggctg	ttgggtcgag	ctgtgctgtt	catcacaggc	240
atcatcatcc	tcaccagtgg	caagtgcagg	cagctgtccc	ggttatgccg	gaatcattgc	300
aggtgagtcc	atcagaaaca	gggagct				327

<210> 331

<211> 476

<212> DNA

<213> Homo sapiens

<400> 331						
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acttcataat	tacattgtct	gatttagaat	gtgattacat	taatgctaga	tcatgttgct	120
caaaattaaa	caagtgggta	attccagaat	tgattggcca	taccattgtc	actgtattac	180
tgctcatgtc	attgcactgg	ttcatcttcc	ttctcaactt	acctgttgcc	acttggaata	240
tatatcgata	cattatgggtg	ccgagtggta	acatgggagt	gtttgatcca	acagaaatac	300
acaatcgagg	gcagctgaag	tcacacatga	aagaagccat	gatcaagctt	ggtttccact	360
tgctctgctt	cttcatgtat	ctttatagta	tgatcttagc	tttgataaat	gactgaagct	420
ggagaagccg	tggttgaagt	cagcctacac	tacagtgcac	agttgaggag	ccagaa	476

<210> 332

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 332						
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agagtgagac	tcggtctcaa	aaaaaaaaaa	aaaaccaaac	ccgtatgttc	ttttaattta	120
tactatgtat	acatttttct	tatatagct	tagtagttct	tagaaaagaa	aacctcatta	180
atttgaatct	tcttatatgc	aatctngat	tattcagaca	gggtgaagct	gaaatttaca	240
tttaatttat	aaatttttaa	atgtttgcag	tccaattgaa	tcctataagg	taagagtcta	300
gaaaaaagtt	attaaaaaat	aaacatttta	agtgttttaa	aacacacact	tg	352

<210> 333

<211> 456

<212> DNA

<213> Homo sapiens

<400> 333						
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aagtacagtg	atagctcccc	ctgggcaata	caatacaaga	acagtgggtt	ttgtcaaatt	120
ggaacaagga	aacagaacca	cagaaataaa	tacattgggt	aacatcagat	tagttcaggt	180
tacttttttg	taaaagttaa	agtagagggg	acttctgtat	tatgctaact	caagtagact	240
ggaatctcct	gtgttccttt	ttttttttaa	ttggttttta	ttttttttta	ttggatctat	300
cttcttcctt	aacatttcag	ttggagtatg	tagcatttag	caccactggc	tcaatgcgct	360
cacctaggtg	agagtgtgac	caaattctta	agcatttagt	ctattatcag	ttaccacat	420
ttgggggctt	ttatcccttc	atgggttatg	atggctc			456

<210> 334
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 334
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 gageccttggg aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc 120
 agctacgcgg ggagggcgcc ccattgcaaa gtgcagtttc tccgcggagg tggcgggtggg 180
 tcagtggcag agggccatgg tttccatggt aaggaagcgg acgtgcatct tggctctcaat 240
 gtcgatcccc tgccagatct tcaggaagtc ctcgaagggt atccccctcg acacctgac 300
 aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg 360
 agcgagcggg ctctctctcg atgtgagggt ttcccgcag cagctcctcg accactttac 420
 atttcgagg 429

<210> 335
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 335
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 aactctcccc aaaataaata tctcctcccc gctttgggga gttggggggg tctgtatctt 120
 agggccagcc ctccctagtg gccagcnccc tagtggttaa aatagggtccc taacccccca 180
 ggggtgacccc cgtggtggaa tttcaggaca tctgagttag tggggcctag tgtcaagtct 240
 gccccccaag tcagcctggc ccccaggntc ctaaggaagg agggcacccc cctccccctgt 300
 gcaaagtctg cagttcctta gtcagtgtca gctgttttgt gtgagccagc gtgaggctcc 360
 ctttctgttc tggagccaga ggagnggcaa ccagacanct tgggaagggtc ccctgaaccc 420
 tgggcccagg ctncggaggt gattcacgcc ccnaaacccc ttgtggttg aggagcttg 480
 ctccggccgc gtctgggagg cagagaantg ggctctagaa tggatgaatg aatgatgaat 540
 gggcnagccc gg 552

<210> 336
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 336
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 taaagataaa aaagaaatca tcaactttgt agttcctcag cttcaaacc aaacctgcaa 120
 gggagaggag agaccagac gcctcaggga ccaggcagat aatacaaata aatgaaacag 180
 gccaggtgag agagtacaag tcttgccaaa agaagaaacc cctacttagt ttcaattgat 240
 tgtcctcttc tgaaaatgca gatcagaatt gccacacatt ctgaccgatc gagagaggcc 300
 agaaattcta attttactcg tgccg 325

<210> 337

<211> 401

<212> DNA

<213> Homo sapiens

<400> 337
gattaagaaa agctaaattt atatttaaatt atcataaagt cctaaaatac tgaacatagt 60
ggttaaataa ctccagaaag tccaatctct ccagtgagta acgttaaaac cattacacat 120
gagcatggga gaatcgcttc cattagttta ggacagagag attttgcttt ttacagagta 180
aatcagtgct caaatagata ctccctcaaa tatgtccttt ctacattctg aacagcccaa 240
gtgcaataag atccttcccc ctttccaatc aagaaaatgc cacttttcta cttgctcttc 300
ctccccagac atgagtctaa ggacccaaag tgctcactcc tttactgctt gttaagtgtg 360
atgtggggag gtcagaact ggggctgacg ctactgagag c 401

<210> 338

<211> 154

<212> DNA

<213> Homo sapiens

<400> 338
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acagtgatac caaaccatcc acttgcaaatt tctttggctc cccatcagct ggaattaagt 120
aggtactgtg tatctttgag atcatgtatt tgtc 154

<210> 339

<211> 401

<212> DNA

<213> Homo sapiens

<400> 339
ttttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60
tcacatatat acacgtatgt acaggaagaa cctagtgttt ctagctttcc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tctcctctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gttttagaca cgcaggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaag gtaaaatata tgtacaaagt a 401

<210> 340

<211> 376

<212> DNA

<213> Homo sapiens

<400> 340
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agtgtcattg ccgccctctc ctcccaccta gtgcattaat agtggatggg agcatctgac 120
agaagtgaga tcaggcagtg ggtgtctgca cccacagcg catgttggct ggaacagcaa 180
agtctatctg ctgaggttta ggcaagttca ggttgcccat gattttgaca aactcctcac 240
agctgagggg gagccgaggg ttccagagtc tctcctctc cacggtggac actgtgaacc 300
catggtaatc gtgagcaggg tagatcagac agtctcctgg aagtgtgaag atcttttcat 360
ggaccgagtg gtaaag 376

<210> 341
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 341
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 catgggcaat tcctctgccc tgcattctca ggccatgtca ggtagaggta tccatctcag 180
 ggacctcagt ggacacttcc gtgggcactg ccagccgctt ggggggcaca taggatccca 240
 taccgctgc cctctccgcc tcttcctgac tgtagggtc gacgctcagc tgcttcagcc 300
 ttttcttgtg gtctttggat cggaagtggg tcttcaggtt ggtggaatcg atgaagtacc 360
 tcgcgaggc cagacagcgg tg 382

<210> 342
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 342
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 atgagaagcc aggtctttat taaagatgag gagggggagc gaaagggggg cagtgtcctt 120
 ctaccactg cctttgcctg cccgggggtga gggagccctt ctgtccacc catgcccccc 180
 atgatggcac atctgtatga ggctgaggca tggggggcag tgtgaagaac aggggcaggt 240
 tccaagaaaa agaagaaaaa cccttcccac agccctaata aataacagaa gggtttggga 300
 tgacctgggc acagggc 316

<210> 343
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 343
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 ctttagtccc agaggggaagc tccgaaccct cagagcaacc agaaggagg gcagagcatg 120
 ggcagcagca ggagttagag ggggtccctt gtcttcccc tttgcaaggg ttcaaggctg 180
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 agagagaagc agaggggaatg ggttgactg gctgaggatg gtggaggagc cgtctcactc 360
 ccttcctaata gtctatagat caataacgag ggaagaaagg aggacaggga gctgatggaa 420
 acacagcttg ccaactgtac ccagtcccc aacaagc 457

<210> 344
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 344
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 gcggccgagg agcctgtggc agcggcacat ggcattgccag aggtaaaaaa acgacggcgg 120
 cggaacagaa gctggcatct cccagccat cctatgcagc agacgccaac gacagcaagg 180

ccgagtactc agacgtcctg gccaaagctgg cttcctgaac cgccagagcc agtgcgctgg 240
acggtgctca ccgccccgct gctggacacc cagtgaagcc gag 283

<210> 345
<211> 404
<212> DNA
<213> Homo sapiens

<400> 345
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gggggcagtg tgtggagggg gcgttcttaa gggatatatgt acagaggaaa gggcgcatgg 180
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aagggttttcc cttgtcaaca gaatgtgtgt ctgtagctgt gtattgcgca tgtattcata 360
tatttttaag ttttctccta aggtttttgc tgacagtgtt ggga 404

<210> 346
<211> 317
<212> DNA
<213> Homo sapiens

<400> 346
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ggaaagggtca gagaaaaata aaataaaaca tctttcaata gtcttttctg gtaaaagcag 120
cgtctctctg ggctggggag taaagggtgt ggggcaaggg gagtggggag aggctgaaac 180
cttcccccaa accccagttt tagatccttt ggtttccttc tcccagaaga tggcagaagg 240
gcatgggtggg aacagcaggg agaaaatatg gtgatgacaa accccagatg atcaaggggc 300
tgatgctcct ggggccc 317

<210> 347
<211> 265
<212> DNA
<213> Homo sapiens

<400> 347
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tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaaag atcaataaga 180
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca accccatta 240
atctagaatc ccatagtgtc gaagg 265

<210> 348
<211> 405
<212> DNA
<213> Homo sapiens

<400> 348
ttaaattaaa aaacaattta ttgaaaaaga gtaatgcttt atacaaattc ccattataaa 60
accccaaaat gtctattggt ctgtttccag gtgtggtaga agaataaaa aagatcaaaa 120
ttggataaat tctattgtaa caatttcgtt ggtcattttg ggccataaaa tttttttgta 180
atgtttggta actgatatcc acatggaatt acactcacac atcatgaaga tctatgtatg 240

tggtcaaaagc	cattttaaatt	tttaacttcca	aaagcatata	ttctcaggtt	tggaaggcac	300
actaaaattt	attaggtcca	attcctcata	agacacggtg	gctgactttc	cttgtgtagt	360
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<210> 349

<211> 380

<212> DNA

<213> Homo sapiens

<400> 349						
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catctttttt	ttttttaaat	aaacattttc	aagggtttgtc	caaaagaagg	ccatataggt	300
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<211> 355

<212> DNA

<213> Homo sapiens

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tagttattac	aaaagttttt	gctgttggtt	gtgctgaaag	aaaagcatat	gcattttaac	240
atttttttaa	aaataaatca	ctcaataggc	ttaagaaaaa	tacttttagt	catagttcat	300
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<211> 481

<212> DNA

<213> Homo sapiens

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tacacttgta	gttcagccaa	agtggcattc	tctaaagcaa	aattcttata	aaatcttctc	360
tgcaatacca	agctgcaagt	ttaacaattt	tttagctttg	aagtgaacca	actttatatt	420
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<212> DNA

<213> Homo sapiens

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<211> 534

<212> DNA

<213> Homo sapiens

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<211> 318

<212> DNA

<213> Homo sapiens

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<210> 355

<211> 601

<212> DNA

<213> Homo sapiens

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<210> 356

<211> 4003

<212> DNA

<213> Homo sapiens

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<211> 237

<212> DNA

<213> Homo sapiens

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tgtacccagt	actctaccta	ctacagacta	tttaacttac	ccaacaaaat	caaaagaggt	180
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<210> 359

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<212> DNA

<213> Homo sapiens

<220>

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<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

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<211> 311
<212> DNA
<213> Homo sapiens

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gaaacagaag gccagatgag tgacctgtat cacaggatat gacaacacat cacctatctc 240
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tcttcttatt a 311

<210> 362
<211> 315
<212> DNA
<213> Homo sapiens

<400> 362
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tggtgatttct gcaatagcaa taagcctcgt ttctgtttcc aattataaca aaaaaagat 240
gagttactaa tgaacattcc acttacagaa gtctaggcta tgttgataaa ttgaaaactt 300
atctagacta ctctg 315

<210> 363
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 363
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<210> 364
<211> 247
<212> DNA
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<220>

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<223> n=a,t,g or c

<400> 364
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gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
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tattttac 247

<210> 365
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 365
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gacgtcctnc ac 372

<210> 366
<211> 501
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

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ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
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<210> 367
<211> 231

<212> DNA

<213> Homo sapiens

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acaaaataat caagtacatg gcattaagtt aaatgtctct gcacatgaat ttccacctta 120
taaattctgggt atattaaatt gtgctgtaaa tagatttgta ttttttcttt tttgagtact 180
atgatagggtg aaatgggtatg actataaaaa ggatttgttt ctttttgtct c 231

<210> 368

<211> 292

<212> DNA

<213> Homo sapiens

<400> 368
tttaatgcta aaagttaaag aaaaaaagggt actgtaaattc tgacaaatga cagaattcag 60
gtgatatttc catagcgtga ttttaaaata taataatggt gatattctgag attacactca 120
cttcagttga catgagtttc atcatatata gaaaaagtat caccttcaac ttaaaaaaag 180
taaagggttaa aagggtggcac acttttaaaa tacttgggtgg ccaaggaaag gtatatagta 240
aaagttgtaa accatgtgta tgttctcata actttaaatg tgaggccaca tg 292

<210> 369

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 369
tcacgtgtgc acagcttttt tacagggttac aaagtgtttc acatacatca tctcatcaat 60
tcctcacaac agccctgtga ggtaggcagg gcagggggta atgttcccat ttgtacagat 120
gtggagactg aggccagag aggccagtga cctgcttgag gccacacagc aagtgagcag 180
cagagctggg naccagaggc tgggggtgggc cccacctcca gcccctggct ctntccactg 240
actgtgctgt cccccaggag gaccccagcc tntgtccaga gtntcagcca canccaagcc 300
aggntccac cccttgcatg ggggtgccgc tgggaagccc cagaagacag gtttcccacc 360
cccattcggg aagac 375

<210> 370

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 370
gactttntc cccaccttta tttttcatgt tataaaagtg cacattcaag gaaaagtaca 60
cagaaggaag gagacacctc atgacgaccc cagtatgcag tctgggacat gtnttttcag 120



anctgattct gtgaatattt cattttttat gggtagggtc acatacatat atattttttt 180
ccttcctttt gtcatttaac atcctatagc ctaaagtgtc ttgaataata ctgacaattc 240
tgtctaagta tcatttttaa taggtttgta atatcattgt gggctggccg tgggtggctc 300
atgcctgtaa tcccagcact ttgggnaggc caaggtgggg tgggntcatc tgagggtcag 360
ggcgttcaag accacggctg ggccaacatg ggngaaaccc tgtntttcta ggnaaaaata 420
ccacaaaaat tnggccgg 438

<210> 371

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 371
ncagaaacat tttattgaca acagttccca acagagtctt tggggtcttt aagtggcagg 60
tgcagcgtcc acaggcagag tgagggctcc tgaggaacct caccctaaat tccctaaccg 120
gccgaggacg canccccagg cccctctcag gtgggcatgg cagtcccggc agcaccctct 180
ctgagcagcc tgctgtgggg aagaagccgg gccggaagcc tcagtcgtgg tgccagccca 240
gctcatgctc cccgccccga ggcccccagc ctntgggaag cccctgcctn taagggacag 300
ctcgtgaaga cacaggaaca gtggttgggg gtgagggctc aggggaattgg ggcagagggt 360
ngcttnagca canacctgac ttccttggga g 391

<210> 372

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 372
taatcttttt cttgctcaat tcccttgact atttcacaat ggaaataaaa aagaagttct 60
taggaccaa tcttctataa ccttattaca caattgggtt atttctatta ttttttaaat 120
atatggaaaa taatcttcat aagttccctt tctcccaaat agtatattgt aaatattctt 180
atacaattaa agatgggtca gaaaaagaat tctacaagaa gtaaccctaa atgaacccta 240
gtctacataa caaaagatgt acaatgggtca gagatggcct gactgagggt gtcgggtaat 300
ttgggtaatg ctggttcaca ggnaatgatg gttctaaggg gctgcagggc tggngagag 360
tacccgacac cctctctgtg gggagggccn ctttctagtn aatg 404

<210> 373

<211> 262

<212> DNA

<213> Homo sapiens

<400> 373
ttttaagcaa tgaaatattt tatttgctga aataggtata aacttaaat aaaaattaaa 60
caaagtitta atatctcctt ccatgaaaca gcagcagcaa gagatagcaa gtgttcggaa 120

gtctcttcaa tccatgttat tctgatgact ctttgaagaa agaacttgaa cctcctgcac 180
 agggggattt ccttcactca tagattcccc taacttcac tectcttttc cttgggctat 240
 tagtcagtca atatgcttgt ga 262

<210> 374
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 374
 gcgaccgaca cgtcctccat gtccgcgccc agccggnctc gcgcgcgctg cagctccttg 60
 gacagccgtg cccgcgtctc ctccgccacc ggggtcagtt gttcctccag ttccgatttg 120
 taggccttca actccttcat ggtctcgctc atcagcgcgc tcagttcctg ggtgacctgg 180
 gagctcgagc agctcctcct gcacctgctc agacagtgtc tgcacccagc gcaggtaatc 240
 ccaaaagcga ccagtgcca gttcccagcg ctggccgctc tgcactcgg tctgctggcg 300
 cagtcgnggc tccggtcttg tctccaccgc ttgctccacc ttggcctggc atcctgccag 360
 gaatgtgacc agcaacgcag cccacagaac cttcatcttc ctgcctgtga ttggccagtc 420
 ggctcctggg gaaggacgtc cttcaacctc gtgccgaatt cttggcctcg aaggcaaa 478

<210> 375
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 375
 gctttcatat aaaaatgtac tgtagtaatc agtaagaaaa agaaacaaca ttggctaagt 60
 cacgaatagg catttcacca tatgtacatg ataaatggcc aatcaaaata aggaatgggg 120
 ctcatcttgc tggaaattaa atacattcaa acaagaacag agatccatta gcaaaatggt 180
 taaaaataat atcacagggg taccaggggt atgacaaaaa tggacacttc catacacact 240
 aggtgaatat attggtgaaa atagttcaga taaacataca accatgtatg taaaagtatt 300
 tatcatcaat gcattatttg tagtagcaaa aacaacaagc agccttgtga aaccagttta 360
 atgtcctcag caggaatta ataattattat tgtatattca tgaaattgac accatgtggc 420
 cacacaaat 429

<210> 376
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 376
 aaagaattac cataagtttt atttttgctt agttttatta aaaaaataaa tatgtcataa 60
 agctttcttt ttccttaggg agaaaaaag gaacaagtct cataaaccca aataagcaat 120
 ggtaagggtg cttaacttga aaaagattag gagtcactgg tttacaagtt ataattgaat 180
 gaaagaactg taacagccac agttggccat ttcatgccaa tggagcaaac aacaggatta 240
 actagggcaa aataaataag tgtgtggaag ccctgataag tgcttaataa acagactgat 300
 tcactgagac atcagtacag atacatcttg cttaaacac acagaagttc ctgaaaagtt 360



ttgtgtaaat gatataacca caaacattac caggagagct tgggtaactg aaagaattcc 420
atggcgaaatt ccttttggtga acaactactt tcacttttgg taaatccagg tatttgcttt 480
ttataaggag tttacctagt tgc 503

<210> 377
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 377
ctaaaattat tttattttttt ataattttct aacacatggt gttagaaaat gaattttggc 60
accgtgatta agaattttctt ttcaagttta acctttacat taaaaacagt agctacaata 120
aggatatttc aaccttactt agagaagtga taaancatca agtcaacaag tatttttggt 180
ggagaatttt tttataagcg ggatagaggg aagttaacat agacactcag aagaataaaa 240
tggaattat gccaggaaga taaaaaagca aataaccctc ccccaaaaaa aagaataagg 300
agcgagacaa agggcaaaac ggaagaagca aggctcaaca actttgtttt cctgatataa 360
aattcaagta cttaaaaagt tttttaaaaa ataattaaat gcactactca tctcaatgaa 420
atttttcggt ttcnattttt ccagaacttt ctaaaaaagg aaaccag 467

<210> 378
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 378
caatgtgaaa ataaacattt attataaaaa ttagttttga catttttaaag tgaatgcaga 60
caagggtgtt tccagttcaa aagggtccatt gtaagctaga gaagtaaatt ccaaggctgg 120
caataactga ctcatattct tcacaagtgg cctagacaat aaggaaccat tcacctcaaa 180
ttcacagagc catgaatcac ctctgcttcc ccatgacctt ttccatatcc ttctactct 240
gtcttccaac catgacacag aactgaaaca tactttaaaa atctcatcct tggctaggca 300
cgggtggtca catctggtaa tcccatcact ttgggagggc caaggcaggc ggatcaagaa 360
ggtcaggaag tttgagacca gcccagacaa catggtggaa ccctggtctc cactaaaanc 420
ccaaaaatta ggccaggcat ggtggcacgc acccgcaatc ccagctactc aggnngactgn 480
gg 482

<210> 379
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> n=a,t,g or c

<400> 379
tttttttgat gctgaaagaa gactttaatg tgcacaaaga aacctcacat tagtgacagg 60
gagacanagg aaggagggtg gggaggactg aggccaggg aaaccagagc tatggagaca 120
gaggccttag ggaagaggag atggctggga ggaccngctg aggggtgggc gaggcagaga 180
ggcccatccc ttgctgagag gagagggggt cggggcggtg gcagaggcag gctcttgca 240
agaggagagg gg 252

<210> 380

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 380
cngcagttgg ggggtggggtg ttctggttta atcatattca gagtttgagc ttgaaataac 60
caactcaaga cccacaggag actatgtcac cagataaacc cagtgctaga atccaatgtc 120
cagcatcttc aaccactcag gagtgtttgc tgagagacca ggtggtgctt acccacccaa 180
caagcacttt ccatcttttg gtttgcccaa gatgtttacc ataaatgaaa ggggtgggga 240
aaggattata gttgacacca acataaatta aatatccaat tccagcatat gtgaca 296

<210> 381

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 381
ctctttgagt aactttatth ttgaggagtt ccataagcat taggaacata cataaaatga 60
cacaccactg ttgacaatga aaaaaaaaaac agcatttgat attttccagc tttttaagtt 120
aaaaaatgat tcagttaaaa caaaacaaaa gtttagatat tttag 165

<210> 382

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 382
ctccactcca ttgttttatt atgtacaaac gctacagaac gnnnggggaca gacacgcgtg 60
gggtaagaag ggctggtggt gaggagttca cagagcagac ggtgcactgg gaccagnaga 120

gcagaacaca ggccataact atagggcagg tngggcagga acgggggttaa aaacgagatc 180
caagccagcc agatcgagg aggtgcgggg gcgtcggtccc cttctnttct ccccccaagg 240
tcacagtgcg tgcaataaaa tatatatata ggagctagat ccgtcctctg caaggggtct 300
gaagggtcca aaactccct 319

<210> 383

<211> 250

<212> DNA

<213> Homo sapiens

<400> 383
cttcattaac cttttattac aagtcacgct cttatagaag tatatgtgga cttacgtgaa 60
aaaatcaaag gtatccaaga ataaaaaaca cagcacataa agtagtatat gcattccagt 120
gttcgcgcca gagacggcgg gcgcccgaagt aaaagctctt ctaaaacggc ctgactgggg 180
caggcggggtg cgaacgggtc cgggcctcag gcacagtgtg ggggcccgcct gcctcctccg 240
cggcccggcg 250

<210> 384

<211> 170

<212> DNA

<213> Homo sapiens

<400> 384
ttttggtaca aaaggtgtct ttattgaggt ctgggttaaa attaggcact tggccacgag 60
cagcagctta aatatgaggc aagcagtcag gggtagcca tgctgggggt ggggtgggggt 120
catgaggcta caggcacaga ctgtccccag gtggacagaa gtttgagca 170

<210> 385

<211> 281

<212> DNA

<213> Homo sapiens

<400> 385
tttttttccct caaaagtttt ttttcttttt catcttttta aactggcaca ctgcctggta 60
tacaccgcca gtaggcattc agaaaagttt ctttttttta aatacacaat ttataatact 120
gggaagattt catttcagtg tttcccaaaa cattattcct ggaaaggggt tactctccca 180
tgactctgga taatagaagt tttgttctga ttttttaagt cacctcagac agacactgga 240
acacgttaga tctaacactt aagtgccttg aaagggcagt a 281

<210> 386

<211> 139

<212> DNA

<213> Homo sapiens

<400> 386
aatgcagcca aaagtgatat ttgcttttct cagaaccata atcgatacaa gatgcagtga 60
ccaattcatt ccttaaaaca cctgggctcc ttaagcggct agaagacaca agttacatcc 120
agcccatcag ggagccaga 139

<210> 387

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 387
tccagccccc cgcggtgcatg cggcagacat ttatttgcac ttgtcacata gtagcctgtg 60
aggtagccca ggatgaagat gatccagaag agggccacgc gccagcacc ttcattggcg 120
tgcccagctt gcccggtgcac agcctctggg agatcctgcg gcanntgagg cctcttctgt 180
gctggacaca gcccttaggc tgaactccgt cctgtctgcc gtctctccac ctactatagt 240
gggacgtggc tctcctgggg gctgcatgct ntgggggctn cagcg 285

<210> 388

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 388
ttgggggtcgg agtgggtttta ttgggcagca ggggctcang gccgggtgggg cgtcaccgat 60
acaagtagtc agcctggatn ttggcggcga tctcggcctc ccacttgctc ccgttnttga 120
gcaacttctc cttgttgtac agcagctcct catgggtctc cgtggagAAC tcaaagttgg 180
ggccctcgac gatggcatcc acgggacagg cctcctgggg agaagccgca gtagatgcac 240
ttgggtcatg tcgatgtcat agcgggtggg ccnggcggct gccatcagct ctttgggtca 300
gccttcgatg ggtgatggcc tggggcnggg caaatggcct tcgcagaatt ttccaggcaa 360
ttcaacgttt ctttcccc 378

<210> 389

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 389
ttcanctcct tttattgaca gaaatagaaa tttgtgctgc agaggcagta gtacctcaga 60
gcatgagaag gtagtcaatg gggctgacat gacaagccac aatgctggcc aggggtccta 120
ccatagtggg agaaccacaaa ccacacaaat agcaggaggt agcaaacatc cccaacaccc 180
agtgtgaagca tttccatttg cagagagctt ggccatgcat ctttaaaaac ggggtcccct 240
tcacagctgg gcagggtatc atgtcag 267

<210> 390

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 390
aaattatata ttacatgttt attaagagca caacttttat gtaaaattta catttaatga 60
aaaaaatcaa aaatatattac aaaatcttgg aagacagatg tgcattgttc taattacaat 120
ccaaagtagt aaataacaat cctttaaaac tcacatttat tagagttgtg tttacaaatt 180
cttggttaaa gaggcagcta caaagtttat cactatatat aagcaagaac cagcttgcta 240
gggtacattt cccattgaaa atctactggg tctcttttac accattaggg ggatttttaa 300
atggggnaaa aaaaatcaat ataaactcat atgggcttca aaattggtaa cctgtacccc 360
natacttggg gnatggaggg ctgtgg 386

<210> 391

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 391
atacaatang ntttattgag gatgtgtcaa tacagttaac atggttgctt gtcttttcaa 60
aaagaagttc cattttcttt gattcccaag tgcatttttc ctgaatcttc tgtgatacag 120
ggcacatgat aggtatgtag agagctaagc ttcctatacc aagttagaag tgaaatgact 180
agtgggaaaa catttaaact ttaatcttaa aaaaaaata 220

<210> 392

<211> 357

<212> DNA

<213> Homo sapiens

<400> 392
tttttttttt ttacaaattc ttttttatta gtcaaaatca caatcacctt gattaaaaag 60
gatgggacac tccaccctca gcagaaaatg atacagttta tagaaaacct ccccgccctt 120
cccacacccc aattaaaaac tacaaaaaaa tctccctcc ttcctacga tgtcatggta 180
gtctgactcc tccagtggca ctgcagctct ggagtggcca gctcaccaca gcaccctcca 240
cttcaccttg gggagaggag ggatgctggg ggttaaggag gttaaaacca ttagttccag 300
taatgccagt tcccaaacat gcacttcctt ctttccccc aaggtctggg accaagg 357

<210> 393

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 393
 tttttttttt ttctggagca taatgtttta ttgttgagcc tcctaattta caacaatgtc 60
 ttttgaaatt tgcttataaa attttgtcac agggagcaac aatgttaacc taattattat 120
 tcacttattt tcatttttta aaataaatga ctataaataa ctgtctcttc agttaggatac 180
 agggatatca taaaaacatc actagcgaga catatttttag tattaatact gatgcaaaaa 240
 ntgaaatagn gaccnaatat ttatatatat agcactatat atattttttat atattgnata 300
 ctcatatcaa aacttgccat ttctcttaag ta 332

<210> 394
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 394
 tttttttttt tttttttttt tttttgttac cagaggaagc agcttttatt gatgggttat 60
 ctccagaaac cagaaagact atatgtactc actttcagtt acccccgtgc ctccagantc 120
 gcatgttgct ccacctgggg gcgatataa attacctcta gattgtccaa agcccagtct 180
 ttcccttccc tgtgcagcct tagtaaacta agtagcagta ctgtttggtg tgtgtttggt 240
 tcttccccag caatgcctac tgcagctact tagtaacaac tagaggtgga gggtttccgg 300
 ggaagcagtt aggatgagtt aagtgtgatg cacagggaaa atagtatcgt aggcctatca 360
 aagggnccct ctgccctgcc tcagtgggct tgatttcttc attgggttgc atttgctctt 420
 tgtgttgggg tgacgc 436

<210> 395
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 395
 tttttttttg ctgttatgat tagatattta ttgagcacca ggagagagtc agaacattag 60
 acttatagtg gaggagcaga actgaaccct ggctgtgaa ataacaattt caattaaaag 120
 ctgtctggcc ctgaagaaag agaaatgata ctggatatag ctggctctct gagctggcag 180
 agctgagcct cctcggggtc ttctgggtgg caagatgcc aagttgaata gtgtctgtag 240
 ggcattgatga ccaagtecta gtgctatggg catcttccct ctggtattta ggagaggagt 300
 accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
 ttac 364

<210> 396
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c


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<400> 396
ancntttann nnttccaagt cattagcttt atttttactg aattcagcat gggatgacaa    60
aatgcatta tatcactacc atccattatt acatgtagac atttatcctt gtattcttta    120
tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct    180
actaaaaata tgcagttcat ataagcaagg gcaaataaat cctccttaaa acattttatt    240
cctttataat tgaggaactt aacagtctta atgggctagg ttcttaaaaa atgtttatag    300
ggnttaaggt ttatttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt    360
ttcccggagg ccatttcctt tctcttcctt tcttcccggc aaacnggggg ttttta    416
```

```
<210> 397
<211> 320
<212> DNA
<213> Homo sapiens
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```
<220>
<221> misc_feature
<223> n=a,t,g or c
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```
<400> 397
agttntgggg tcttgtcang ttgcccaggc tgatctcaaa ttcttgggct caagcaatcc    60
tcttgccctg gcttcccaaa gtgttcagat tacaagtgtg agccactgac ccagaccaag    120
aaattttaac cctaactaaa tacccaaaaa aagtgtatat atgttcaca aaggacatgg    180
gtaagaatgt ttatagcagc agtattttgta atagccagaa actggaaaca agccaaacat    240
ctatctacag cagaagagac tattgtttat ttatacaata aactacaata tagcaataaa    300
atgaatgagc tacaacaaca                                320
```

```
<210> 398
<211> 284
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 398
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttggttatg aacaaaggta    60
gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta    120
cagtttgcca caggtatcct aaaatattgt ttacactcat ctctcttcag tttaccattg    180
tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat    240
agtatcacgt tatacatttt aaaantnttt tgacaactgt atat                                284
```

```
<210> 399
<211> 316
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
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<400> 399
agacagcttt tgagttttatt tggcttctgg cttcactgga ncccagggt aagactccaa 60
ccctggctgg ggcagcagga aggcattccag agagccctgg cccagatga ccccagggc 120
aggaggtcca tgctctaagc cctagggcag gggccgcagt agcaggantt ggtcaaaagt 180
gctggtgaca gctgaggcgg gccccttttc cctgcacctc cctcctccc tgnatcacc 240
cagcaggcaa ttccctgaga caggntctgg gtccctccaa ccagttgggg tacagttttg 300
gggccccant agggca 316

<210> 400
<211> 316
<212> DNA
<213> Homo sapiens

<400> 400
ctgggtttaaa atattttattg attaaaaaaa attaaaaatt ttttatacaa aggtgatgag 60
aaaaaatctc atgcaaaactc cgggcataca ataaaaataa ctcaaattatt aatatgatga 120
ttttgtacaa aataattctt ttgaagttagg accggtggca accaacacgg ctccctgctc 180
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<212> DNA
<213> Homo sapiens

<400> 401
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gtttttatttc cattttgtgg aattttatca tggggtctgg ctttaaatgtg taactgacgt 180
gggtcactga aactcgatta tcccacctca catgcaattt tctgtcctaa gggaatagaa 240
aacttggtgt tttagggcac atgcagtaat gatcttaata ctgctttaca ctttcgtggg 300
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<211> 413
<212> DNA
<213> Homo sapiens

<400> 402
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acatagagaa cacagcatct ggatatgctc tcacaattat agtatcatgg actaaactag 180
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caacacatta ttttaacgagc aggttaaggt gaaactgcc a gtatgctgtt agtcaagagt 360
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<210> 403
<211> 335

<212> DNA
<213> Homo sapiens

<400> 403
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 gagaagggag tctctggggc atgagcaagg gagccgattt cttgtctggg ttcataaagc 240
 tagagagggc tgcggcagag gctttgaggc ctgggtatag cactggcact taggtgggat 300
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<210> 404

<211> 275

<212> DNA

<213> Homo sapiens

<400> 404
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 tatacaaata ctgagtgact acagtacatg ccgaggtaag ataagtacat tctgggagaa 180
 tatcactgac gctcaaacca tttttatttc caatatgtat ttcaatacat gtttgtttcc 240
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<210> 405

<211> 398

<212> DNA

<213> Homo sapiens

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 taactgtatg aaatttaatt agattacgtt ttagcattag tcagaagatt taaaaaatat 180
 gtaaaatgtt ttcacagtac tttggattta taaaagaccc cattatttta acttttgtgc 240
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 gagttgctga agacatctta ctttcttgaa tttctactta aacatccatg tgggtgcactt 360
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<210> 406

<211> 459

<212> DNA

<213> Homo sapiens

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 gtaaaattaa aaaatatatt gtacacttag catacttggc ctaccaaate ccgtctaagt 240
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<210> 407
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 407
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 tctcccagaa gtgaggtctg caggggaaca gggctctggg gtctctctgc ctgggagagg 180
 gaaggctgag tgtataaaaa ggtggaagcc tctagaaatg agaaggctgg gtgtgtggga 240
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 acttcttgag gggcccgatc t 381

<210> 408
 <211> 598
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 408
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 <212> DNA
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 ccctcccctg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
 caggcagagt ccaagggagg ggtgtcaggg tcagaagtca cagggagccc agtgactatc 240
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<210> 410
 <211> 241

<212> DNA
<213> Homo sapiens

<400> 410
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aaggcactcg cgaggggggac ttcaagcccc tcttctatatt cttcatataa aatcaggggg 180
atgggggaaag ctccaagggc gaggggaagca gagagtttct ctcccagcct atggaataag 240
g 241

<210> 411
<211> 333
<212> DNA
<213> Homo sapiens

<400> 411
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tgctgggcct gccaggggga aggaggagcc tgg 333

<210> 412
<211> 335
<212> DNA
<213> Homo sapiens

<400> 412
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gaaatatata tatgtatata tatacttcta acattttatg gaaattaaaa atcagaggct 180
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agaagatcct aacaggatag agttccagta atgtt 335

<210> 413
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 413
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cacactggca aggcaactgg ggatntgggc aggccagttg gacatggata gatgagaatg 180
acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt 240
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329

<210> 414

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 414
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aaccagagga aggggtgtgt ctgaaaagtc aaagtaacaa taacagtggc cattgtacag 180
cacaagaatg aacaatgggc tattctttga aaactcaaaa caaatgattt acacaaagac 240
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ttccagataa gtcaaagtgt tctctctctc tactcctctg atataacagt attgaatgaa 360
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<210> 415

<211> 374

<212> DNA

<213> Homo sapiens

<400> 415
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gttcagtgat gtctactgga ggcagcttcc atgccttctg gggctcctgag tctccatggc 180
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<210> 416

<211> 356

<212> DNA

<213> Homo sapiens

<400> 416
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<210> 417

<211> 445

<212> DNA

<213> Homo sapiens

<400> 417
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aaaaattcca gtggttaaaa atgaatcaaa acttcattac gcaggcagtg gaagtgtgtt 360
gaaagattta ccaggggtgt caagttttag acactcagaa aggcaccatt ctagccatct 420
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<210> 418

<211> 456

<212> DNA

<213> Homo sapiens

<400> 418
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aggatgaagc cctcccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
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<210> 419

<211> 206

<212> DNA

<213> Homo sapiens

<400> 419
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aatgcggtaa atctatttac agaggttggg gtgcaagatg agagaagtat cagccccagg 180
aatttgaagt gaaaatgatc taaaaa 206

<210> 420

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 420
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ttgccccacc accctttcca tcagtcttgt ctcatgggga tggggaaaat gaagacagaa 180

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<210> 421
 <211> 242
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 421						
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gc						242

<210> 422
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 422						
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<210> 423
 <211> 638
 <212> DNA
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<220>

<221> misc_feature

<223> n=a,t,g or c

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<210> 424

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 424
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<210> 425

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 425
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<210> 426

<211> 469
 <212> DNA
 <213> Homo sapiens

<400> 426
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<210> 427
 <211> 4003
 <212> DNA
 <213> Homo sapiens

<400> 427
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<211> 4003

<212> DNA

<213> Homo sapiens

<400> 428

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<213> Homo sapiens

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<211> 385

<212> DNA

<213> Homo sapiens

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tctatatata	tatatatata	tagctttgca	caatcaggga	gcaaggcacc	ataatgaaat	300
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<210> 431

<211> 399

<212> DNA

<213> Homo sapiens

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caagtcaccc taactcatct tacagaccac cagtaggaca attaccctt tgggtgacat      300
gaaaaaggct gccagggggc ttatgtccag tgcccagggt ccagcatggc aacatatttt      360
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<212> DNA

<213> Homo sapiens

<220>

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<212> DNA

<213> Homo sapiens

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<211> 278

<212> DNA

<213> Homo sapiens

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gtgctcagct gactgtcttc tccagaaggc tcttctgagc tgagcaggag accccagggc      180
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<210> 435
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 358
 <212> DNA
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 aatagtcctg tctgaagcac agaatttttaa ataaagttaa cctccattac agacaagaaa 240
 acaaaaaatt atcggcctta taaatttttag tatgagtact taaattaggt acttcacaga 300
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 <211> 249
 <212> DNA
 <213> Homo sapiens

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 agcccaggcc agaagggttg gcttcttgtc tctgggaacc catcatacce ttcccgcgaa 180
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<211> 322

<212> DNA

<213> Homo sapiens

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gaatctgtcg agagcacagt ctcccagtca ataagaagga aggagagagg gggatgagct 180
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<210> 440

<211> 297

<212> DNA

<213> Homo sapiens

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acgcccgcag cagaccgcga ggagcatcag caagggggccc gggcagagaa tcggctatgt 240
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<210> 441

<211> 478

<212> DNA

<213> Homo sapiens

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<210> 442

<211> 302

<212> DNA

<213> Homo sapiens

<400> 442
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<210> 443

<211> 172

<212> DNA

<213> Homo sapiens

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<210> 444

<211> 267

<212> DNA

<213> Homo sapiens

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cagtagtggt ggaaagttcc ttcttggt 267

<210> 445

<211> 418

<212> DNA

<213> Homo sapiens

<400> 445
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tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatggtggca 180
ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cttttgcatg 240
gaaggacaga gtctctgtga agttctcttg gaagtaaagg aggcgctgat agggactgaa 300
ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360
aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttggt atattggt 418

<210> 446

<211> 586

<212> DNA

<213> Homo sapiens

<400> 446
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gtgtattttt ttcttaactc ttctttggct aagtcagcaa gcccatgggt actagcgtcc 180
caagcaaacc tgtcaacgtg aaacacgtgt gccagatag aagacgggta gtacctgaag 240
tggttccact tcctttattt ggggttggtt catgaaaatg cttggttgct ctggaaacag 300
gtgtactccg tggtgcttga gcatttggtg tgggtggttt tgtggtggtt ttctgaaaag 360

ttggtgagac	ttctgtagtt	ggaacattta	ctgtggtagg	tttctgaact	gttgggtggga	420
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cattattcac	agtacaataa	atagaggtgc	ctccaatcag	tgggaatcct	ttattacatg	540
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<210> 447
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 447						
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cttagaagaa	tcacttactc	ccacaatctg	tccagacaca	ttagtctaag	gacaagttta	180
taaatagcaa	acgtgatttt	cacattgcag	tgtttctcaag	aatgtatata	caagtgtgta	240
gtcctgttga	tgggatgttt	ccccgagttc	tttctattga	tgcgttcacg	ctcttgaccc	300
tggtagagac	agttctttct	ttccacagag	cagattttct	tttgtcatcc	accatttaca	360
at						362

<210> 448
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 448						
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gatcaccgga	gagtcaggga	cgtggcggcg	aggggccctg	gaaatctcca	gataccaaag	120
ctggaagggc	gtggagtctt	ctccagttct	cctagtttac	agatgtttgtg	acctaggcctt	180
acaatgggcc	tggggtctga	aagcgggacg	tgggctgcgg	gggtcaaaga	gccggtttgg	240
tggaggtcag	cgccaca					257

<210> 449
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 449						
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tgagtgcagc	acttctagac	acacacacag	acacacatca	cttactcata	aacggcacag	180
cctacggtac	aagaaaaagg	gcaaggtagg	taagggcacc	caacaccctc	ctgcctgcag	240
ggggccacag	ggttaatgtg	ccttctctgca	cgcaggctta	agagggataa	acaaggagag	300
ggctgccctt	ggagaaggcc	tgcggataat	agtgaactgag	gcacagggtcc	atgcagggga	360
aggaagcaca	gttcacagag	tggcaagctc	agtgccagcc	agtgcaagca	acaggcagtt	420
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<210> 450
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 450
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aggggtggggc tgatcaaggg cagagagctc aatcttgggg gaagaggaag agaggacaga 180
gaggccaaac aggtctcttc cctcctcttc acccatgccA cagcattaaa taaacaaaaa 240
gcaactcttt acagcacaaa ctacacaggg aagtctcttc tcccagccct gggcgcacag 300
catgg 305

<210> 451
<211> 392
<212> DNA
<213> Homo sapiens

<400> 451
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agtagagtgc ctcagaaaca cgaaagatca tatgtgtgtc atcacagcat cgagaattta 120
aatcatctgg aagtctctgc taaattaaag catactgtgc cagagctccc ctctaataca 180
aaaacgctgt cctggtgaaa atttgcaatg aggattacag agagagagat caaccaatga 240
ggaaatcaca gactcttaca tgagtttaca gttaacccca ctgcaacaaa ataataaatt 300
agccataatt tgtttttttt gcaaatacca tgccccccac ctgacccccac aaagacaaca 360
gtcactgaca tggcccagct atattaacag ac 392

<210> 452
<211> 194
<212> DNA
<213> Homo sapiens

<400> 452
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gcgccgccgg agaccttaca accgcccgtc aaccggggag gggggccggg agggcgccctc 120
gggtctcaag gcgccgggag ggtctgcggg ccctgaaggt ccctgggtcc gagccacaag 180
tcggggcaga accg 194

<210> 453
<211> 294
<212> DNA
<213> Homo sapiens

<400> 453
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ctccatggta taacataaaa gctttaaaaa tcttttttgt accaaatggc tgattctcaa 120
gaacctttgc catactgagc tcttgccctg ctcacagctt gaatttcac tctctttcag 180
ggtcattgatt tctgctatta gctggcctct ttgtaaatca acacctttgg gaaagatcgg 240
aatctaagta atgacagaaa ctgtcattta gccgcgaaca agaaaatggg aatt 294

<210> 454
<211> 407
<212> DNA
<213> Homo sapiens

<400> 454
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gcgatgtcct ttcacggagc aacaccaaag acttcaaaaa cattccagtt acaaacagaa 120
caattcactt aggacattca cctgcctatc ccagaacccc caatctaata cgggggacca 180
cagagaagga aaggggtcag gggtcctttc ttgtaccagt gagccttccc ccagttttct 240
catgcacaca acagtgcaat accaagacga gtacttttga ccaagtataa aaccacagag 300
aagacaaaaa tgtacaaaaa tgggaagaga atgaaaacac aaaggcacac gcagccacaa 360
atacacaatt aaccttttag gggatgagca tctgacgagg tttgtct 407

<210> 455

<211> 174

<212> DNA

<213> Homo sapiens

<400> 455
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actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
caagctgact taggatgcaa tggtagacag accagccttg ggggagggtt ctcc 174

<210> 456

<211> 418

<212> DNA

<213> Homo sapiens

<400> 456
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attagaggcg tgcaccacca tgcgccgcta attttgtatt tctaccagag gcggagtttc 180
tccatgtagg tcaggctggt ctcgaaatcc tgacctcagg ttatctgccc gtctccgcct 240
cccaaagtgc tgggggttaca ggcgtgacac gccatgcccc gcctaaaagg acattcttaa 300
ggcagaaaga agggggcagg caagggtggg ctgagcccc agatggaagt cagagtgggc 360
tgcaaaagat gcagatgggc aggcaggag acaggtaaac agacagagag acaagggtg 418

<210> 457

<211> 326

<212> DNA

<213> Homo sapiens

<400> 457
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gtcttgctct ggcattccca gcattcttga ttctccctgg tgcccccagc tcaggaagaa 120
ggtggtagtg gggagagagg gtcagggggg cttggcaggg atgcaggcac catgactttt 180
gtgaccagtt cctagagacg catgggtgta gcctcaggag gaaagcgaga ggagctttac 240
catgggaacg aaggaaaggg acaacattgg gaggcaaacg ttgggagact agtccagaaa 300
cttgcaattg aggtataaac aggggtc 326

<210> 458

<211> 388

<212> DNA

<213> Homo sapiens

<400> 458
gttagctagt atcttttatt gtcagaactt ctgtgagcca acaaacagtt ttgcatgggt 60
gtacacaaag ggacaaggca aatttctttt ttcgtgtggg tagacttagt tggcccaagt 120

ccttaaaact tttccatata aaaataaaaa gtccaagacc agattatattt tcttctgggc 180
ataaatgctg atttattttac aggtgccttg ttcagaccac cattataaac ttgggataaa 240
atatgtgtgt attaaagcct cagcatttaa tgtcaggggc ctttgaagat tcaactcaagt 300
gttaagacgt ttctggaatg cagcgtctct ccccatagtc caacatgggtt attatatctg 360
taatctatcc agaatgatag aagctaac 388

<210> 459

<211> 411

<212> DNA

<213> Homo sapiens

<400> 459
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atgtaagatt gagacatcaa gagactaaaa atcagtgcag aacttctctg aactaaaggg 120
ccgtgaaagg catgattggt ttggcacac agagtggata accatacatt ggctggaatg 180
aggtggtcag gaaaataaaa tgcacaaatc taacaccatg ttgaaatcat gtctgagttc 240
tgagagaaagt taaagtgtaa ataattacaa agactgacat gcaactctta ccttacatta 300
ttcatctaca gactatTTTT ctcccttaga gatgaggaga tggccttagt aatctgttca 360
gagtagctga aaagaccaat caatacacat tagaaagatc tgcttgattt c 411

<210> 460

<211> 206

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 460
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aantggaaac agcacacaha tacacttgag gtataagyya gagcacagta tgtcatgttt 120
caataaatat aattcaaaat ttgtaaacta ggtgaccaga tacatgagtc ttatttttrg 180
taaaaccata taaaatattt atytca 206

<210> 461

<211> 280

<212> DNA

<213> Homo sapiens

<400> 461
gtataaaaaat aatttttattt actactgtaa ataaagtagt gcaaagagta gtttggaccc 60
acaatattgc attactgatt tattcactac cttagcagca tgtagtatac agacattctg 120
ctcttctctt tctctcttaa cacacacaca cacacacaca cacacacaca cacatatccc 180
tgtacagact cagcgaggca tgaggggtag ggatgaaact ataagctaga ggcttacttg 240
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<210> 462

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 462
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tcccagacag cagaacaata ttacatggg ggtagaggag tgaggttggg tggctctcggg 120
gctgagtggg cccgccactn tggaagagag gacctggag ggaggggtgtc cttggacctg 180
tggaccgggc ccaagaagaa aaacgtccca tcctaggccc agcgtggatc ccaccaccgg 240
gntcacctcg ggccctggag gctgcg 266

<210> 463

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 463
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cacagtgact gancggctaa tgccagccaa gcaatgtacc aagacaccac agttcttgcc 120
ccgggcttca tctatgaaag aaatggcctc agggaaaaac tgggacagggt ttgggtcca 180
gtgatccgag atggggattt gcttgatttt aaactctcct gcgttctcaa agagattcgg 240
caaattgggg gtgacgttca aga 263

<210> 464

<211> 292

<212> DNA

<213> Homo sapiens

<400> 464
tttttaatga aaatcgcttt tattttatcg cttttgtttt gtatttttgc aacagaaacc 60
ccctgctcca gagtcagact gtagctgaac tgttcagact ggagaatgga gcaggctgtg 120
ggccgccacc ccgtgggtccc ctctcctggg caagcgccca ccccaggga acaagggtcca 180
ggcaggccag ctactgcac gactggcac caccacttag ccatacagggt catcatcatt 240
gtcttctgtg tatacactgc cactgtgccg gacctccact gccctgactg gg 292

<210> 465

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 465

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aaatacaata	attgcaaagg	aagtggaacg	tgttcaaaca	gaaatgggtga	caatgagtta	120
gaactgcagt	tnnttcaagg	tactacacta	ttatttaaaa	aaaaaatcac	aaanagaaaa	180
atgttatcac	tacaagtagg	gatttaggaa	gngagnaaat	tctgggcagt	ctgtctagna	240
gggttaaaaac	atttcatggc	atttgtgagt	tgctgttgga	gagttgtttt	ttatttgtcc	300
accgtaatct	gggcaacatc	cgggggctta	ccttcagctc	tcggcactgt	gcg	353

<210> 466

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 466						
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acgccccaa	ttatttcac	aggctaagaa	cttctccgag	aaacgcacaa	gaaggcaggc	120
aaacaggtgg	gtaggtgaga	ggtcacgggg	ctccatctgc	aagctccatc	tacaaggcat	180
caatctgctg	tgtggcatca	acgttaaaa	gttctacagc	ttagggatct	tcttgaagca	240
aggttccaag	cacaaaacta	gtatgaccgg	aggcttcaat	ttagaagatg	cagcatctga	300
aaacctttac	cccaggaaag	gaggggtgcc	tggctgggat	tncatggggc	tctggaacaa	360
gcattttatt	caaagctg					378

<210> 467

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 467						
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agacatgaac	tccaatactt	caggacaagt	atggttctca	aagtgtgatc	cagggaccaa	120
ccctctgagg	aagtcacga	ggccaagcta	ttttcataat	actgctacac	agatgttatt	180
tgtccctttc	actctcatte	tctcacaagt	atactgtaga	gttttccaga	ggcttcatga	240
agtgtgtgtg	gtgacattat	tgctcccang	gctaatagtaa	tgtgtgcatg	tgtattttatt	300
ttaaaaatgg	attcgcttta	atttcnagta	tgggtaagta	tccaaagnac	caaataataag	360
caaagcncct	tgaga					375

<210> 468

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 468
agaacaaaat atatatttatt ttaattatac cagcacagta aggccccagaa agaccatgga 60
gttgacaaaa gaatgttcag caccagcaag ataaaacaga tactggcagt cagtgtctaac 120
ggctagcaca caagccccctg ccgcatttgt atgatctgga gcagantcc tgaacatctt 180
catccatgtg accctgtgca gcactaagaa ggtgtgtccg ataaattgca attacttctt 240
ggtgctgtct gtcagcatcg gccagctgtt gctccagaga ttccacttgg tgctgcagag 300
tgtcaatcag ctggctctgc ctcttggtgg ggttcccact tgtgtagggtg agttgggaaa 360
ggccattgag tg 372

<210> 469

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 469
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aatcttcgagg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120
gcactttcct cattcagagc tcttttggct gcgagaaaca gacaccaat caaatcagct 180
tcancaaaat gagagaatgt atcctgacaa gggacgctca cagggcctaa aggaagagtg 240
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caggcgccctg tgattcctct ggtccctgcc ttgctatgcg tatcttccct ctgagcagag 360
ccattttctc taccacattc atgcaggtgc ccatcccccg gaacacacac agacaaacac 420
acacacatgg acacagtcac agctccaggg tttctatgtg ttcaggtaag ggantgcaa 480
agcctgaaca gcctccctaa atctagatgc ccantttat cctttcagct ccatcagang 540
atca 544

<210> 470

<211> 138

<212> DNA

<213> Homo sapiens

<400> 470
ttttttcatc accatagttt ttaatgaaga aacttgttta aaattgtaaa ggaaaaaatg 60
ggaatgggac ggcaaaatct tagcagcaaa gtggttaaac aaattgaaaa tattaatgca 120
caaacattaa aatattaa 138

<210> 471

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 471
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 ttgtaataact cttcaaattg gaacactcct tttctgatat tcttagcaaa tccctctttt 120
 atttttgccca cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt 180
 actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa 240
 cctgtcagag ttactgttgc ctgcgctggc ccaaagtgca gatttttagt cagcttgtga 300
 taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc 360
 ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc 420
 ctgggatcaa ggctgccaac cgaacctata nccagattt ccc 463

<210> 472

<211> 306

<212> DNA

<213> Homo sapiens

<400> 472
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 agaactgctt tcttgtaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga 180
 agagtatatc attatacatt gtcaaataaa gcgaagggtt cttatccaa atagagagaa 240
 tatatatgtg attacttaat ataaagcaaa agctatttct accaaagaac agacatgcag 300
 ttattg 306

<210> 473

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 473
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 taccatcact tgtctaaatt ttactcatgt ttattgtgaa gacacagagg tgaattagaa 180
 gagtatatca ttatacattg tcaaataaag cgaagggttc cttatccaaa tagagagaat 240
 atatatgtga ttacttaata taaagcaaaa gctatttcta ccaaagaaca gacatgcagt 300
 tattgatctg gaattggcat cgattacaaa ctactctngc aattcttctt ctccccaatt 360
 aagggtgtctc tcttgaactg gattgaaagc tgtttgataa gtatactttt ttcaagatgg 420
 tgtgcnagtc tggggggcct tttatta 447

<210> 474

<211> 164

<212> DNA

<213> Homo sapiens

<400> 474
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 aattacacag ataattagag atatatgtta catagaaatg ctgattttac actctcttct 120

gagtacaagc atttgattac agaggctcat agcacaacaa aatg

164

<210> 475

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 475
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cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
gaatctcacg atgagcttcc tcaggcttcg gccgtgctg gaccagtcag cttccgggtg 240
tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300
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ggattccttc tacttcacag cgggtgggag gctcagaacg acagctgggg tctttccaca 420
gtggacacaa agaggtacgt tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
aactggggag aataantaac aggccattta 510

<210> 476

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 476
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gagggttgaa agccccactt ggggtcccga ggggtccattg agccctctca ggccagctcc 120
aggaatcctg ggcttgggtc acagagcaga gttgcttgca ggggtcctagt ggccatcggg 180
ctggggcagg acatcatctc tcagaggggtc agaggctcag agctgggtgc agctcagcag 240
gtcacggccc tccaccagct ctgggttctc ccgcatcatg tgggtgggct gctttttccc 300
ccaccagggg cctnagctcc agcagctngg tggggtnagc ttagcaac 348

<210> 477

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 477
aatatcttag ttttttttat ttcccttgca ggcaatctct ttgaacagag gtttattcaa 60
tgaaggaaag gtggagggaa gaagggaaga attacaatgg ttagaaaaga gcaactaaag 120

attattttcta ttatacttct gaacggtaaa ctagcaattt taataaatat tgggggccac 180
 ttaaattctat taaagcagaa agtgtaaagc tatctccatt agtgaagaga tgaagtgaca 240
 aaaaccaatc agttttttgta ggcaactgat ttaggaaaat cttgtactga aatcaacaat 300
 tagacttgca catcatagga ttttcaaagc tttgctgaat tggaaaagga ntttttcccc 360
 ggggattttt tccccccgag ggggtccttn ttccaatggg ggacctccgg tntgg 415

<210> 478

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 478
 tttttttttt nctgcaaaaa gcctttaata tgccttggn cccaggctgtn ttcattgaaaa 60
 ggggacacag cagtgtctcc aacttcaatg gttcccagg tcaagggtcc tcccagcgga 120
 ggtgggaggg caagccctca cacctggcac ccctgaagtg cataactcctg gaggaagtcg 180
 ttgagctggg acaggctgcc cgntggcgtn gtcctggaca aggttttcag agggcatntc 240
 ctgatccag ctattcgagt ccagcaggta ctgggggttt ccctcgaggc cataggtggc 300
 cccatntaga cccatgatca aatattcttt cccagggtcc aagcgaaggg gccaggaggt 360
 tcgaaccagg nanttncgca tctgattagc agcggc 396

<210> 479

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 479
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 gcgctctggg ttggttcctt ggacgtcacg gttcctggat ggggggtggg ggggtccact 120
 ccctaagtca tgggtccacg ggcctnttg gatttttttc cagggttcaa gtgcactgag 180
 aaagcttcac agttttaata ctctctagat gctcaactga ggcaaagtga caaatggcc 240
 ctcccacccc cgcccgccac aaaantaaaa tccaagccc ctggnagctg ctgctcagcc 300
 cttatgaaaa aataatacaa ac 322

<210> 480

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 480
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacagggt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggcttgggtc ttccaaccgt cggaggggtac 300
tcaggaaagg cancttgccg gacaagaagc 330

<210> 481
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 481
ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60
gctctccacc acctcctctc catccttggg ccagcgcacc tntgcccagg gccggcatag 120
ctcacagggtc agcaccacac gctccaggcg cagggtctgc acatacacct tgccgctggg 180
atacacgata cagcaggaga cgtctgt 207

<210> 482
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 482
ttggtatana agttttttat ttcaaaatgc aaaatggtgg tcattgtaat aattaataat 60
aataacataa aaagcattta tccttctctc ctagtgcaaa atggtagacg catttagata 120
attcacacag tggtggaaat gtcacgacaa tgcagtgtg cacagagaga tactcaatcc 180
caaactcctt tggtggatgc ttgtggtagg tcagttctag atgtcagcg tttctctgaa 240
gttaagtcca aataaaaaaac agcacgtgct cctgcactct cccagcggag tcaggctcct 300
gtgcgcgcgc cccctctggt ctctcccttc cttctcggtc tgtctctgtc tactgcgnt 360
ccctccact ccgctggtct cccacagttc c 391

<210> 483
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 483
 ttttaaagg nnaatgtga ctattttaat tattttggtg gcagggagtt ggttttacat 60
 cacccaaaaa aaaaaaaaaa gccctggttt caaattcatt ggtaataaat atgctaactt 120
 tctgaatcaa aatggagagc ctctcaagaa aaagagctat gcagtcagca atgacttaaa 180
 ttagtcagga tagcaggcat ctgggggttaa ggctgtttcc accatttttg tctcaccacc 240
 atatacngt gggaccacag ctgtgtagca cttgtttcng tcataagtnt agcaggtctc 300
 tgtagcactg tcttcatcac agatattgct ctggggtagc agtaactatc tgattatccc 360
 agctccactt ctgtagggnc acatttttta cagaggtcag acaaatgggt acacaaatct 420
 gggtccccaa tgggtnaggt ngggtccaga gntattctcc cegtt 465

<210> 484

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 484
 ggtttaatta tgggaaaaag cactaaagtt aggtaaatga ttttgtttgt catgcttctc 60
 ttgacaggcc tgtgggggga gaatggaaac agagatgcc cttggcntgn agntagacac 120
 agcttgcaat gcacaggcag aggtctctgg tcaatgcagg aagcagagtc accgccagt 180
 ccttgggatg gggatcacag aaggtgacct gtggctgcat gagccactgt aggactctga 240
 cctcagtggg acaggatgac acaggcagct aggaattctg ggcaggggca ggtnggcatt 300
 a 301

<210> 485

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 485
 ttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60
 atatttgtcc ttattgactg ggtctcctta attaattgac acatgtcatt agaattgcaga 120
 cggaggggac tcaccatgaa tatctggggt tgattccag atgtgtgttg cttctctatt 180
 gcaagcagat tccttgtcc ggatttactt c 211

<210> 486

<211> 341

<212> DNA

<213> Homo sapiens

<400> 486
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 acaatctgga tggtgacata gaaatgcaaa ttctactata caaaggtaag gctccaatca 120



cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180
ccgagttgtg tttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240
tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 487

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 487
agctcatcag ctatcgtttag tgtatTTTTat gtggcccaag aaaattcttc ttcaaattgtg 60
gcccagggaa gccaaaagtt tggacacctg tgatttacag gttatgccta gatctgaaac 120
agatecccat ccctcctaaa gctcgcccaac tggttatggg ccctgtttct cttagaaaca 180
ccacacacat catttgggaa aagcacactg agtagaaaca tggcctgaaa ggggtggggg 240
cgggtggacct ggcttctgt ggccagaggt cagcggacga tagaaatggg ctgatcggcc 300
acagcaaaga cttgggaaga ttgggccccg ggaaggacac attgattggg cacagagcac 360
tgtgccggac gngggc 376

<210> 488

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 488
ggtttagcaa aattgttata atttctttta aataaccac agacacccat cgacacttcc 60
aaatttacag agcaaaaaag tgatttgacg ctgggttctc caggggaattg gccccgaagc 120
tggctcagtt cacctccagg acctcagctt ccgggaggcc gaacttgggtc ttgtgcttgt 180
cgaagagctt caccagggcc tccatgtaca tgggtgtgga caggtcgatg tcttgctggg 240
ttgggtgctc cagcttgggg atggtgatgg gctctccac aacagtgggt gatgggcttg 300
gagtagggca ccagccccc aaggtgtcga ggaagaagag gcctcgacca tggaagatgc 360
atggggcgaa accaatgtat ttctnggaac ttcttctggg accatcggc cccaggagcc 420
ctctcgaag atcacctgct ttgtacactt tcattctctc ccaaaggggg tagatgggaa 480
ccaggtcagc tcccatgacg cagggccag ttttnaaaaa aagcc 525

<210> 489

<211> 470

<212> DNA

<213> Homo sapiens

<400> 489
tggaatcag aggtgaatat ttatttaatt catatataaa ttttacataa tattcatggg 60
gctataaata taggcacatt ttttaaaagt ccagatacat ccaaaaatta cccctcact 120

gtagcctact	ccaatccct	caagacggaa	tatctaacag	tgtttggaaa	acaggggtcca	180
gaaaggccct	gcccattaat	tttaaaactt	tctgaccatc	aagaccattc	tttcctgctt	240
caaccaagca	gagtcaacaa	ggatcatgtg	ttttcaggg	tttaattgca	ctagttgatg	300
aattaagtaa	atgcctctgc	ctgggtagtt	tgtaataggt	ttatgggttt	ggtttctcct	360
acttagttca	agtcagagaa	agaaaaacca	atatctatat	tcctattggc	cttctttaa	420
tcctatgag	atggcttaaa	aggatgtcac	tgcaccagag	gactcacttg		470

<210> 490

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 490						
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cattggatta	gaagaatgac	acagggggca	gcaacactct	cgcacccag	cctccantcc	120
ctgacnctgn	gangcagggc	cgatcgggtg	gnannggnnn	ngtngttcca	tgagttcggn	180
tcagaancct	agncccggca	ttctggggcc	ctggctcttc	cagagtcac	attcaaggca	240
acctgagcac	aggcttgagg	gagagtggag	aaaggccagg	aaaggatgcc	cacactcttg	300
cctgccaggc	ccaggaccag	ctctctccta	cactnggacc	caatttcctt	ctggatcaca	360
gagctggtct	ggatcaagac	aatgtggaga	tctggtgtgg	aggctgtggc	aggtgangca	420
gccgggctcc	ctggttagac	ccccaggtc	tctttagcac	nagatgggca	ctttaccaac	480
aggtttgggt	aaaaatgtct	acngagagct	atgcacaacc	tgggtncct	tctgggctcc	540
taaaagtcaa	ggg					553

<210> 491

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 491						
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gtgatattctt	ctttagacat	aatgctatta	agagcacatg	ctttataaaa	taaaactggt	120
ctcattcata	tcaggtgcag	aaagccagtc	ctgaaagcat	agactatccc	ttattctggc	180
tgttattaag	gaaaaaatc	atttaaaaaa	tacagtaaag	attgaaacca	agtttactgt	240
ttcttgaaca	gaataggaag	aaaatatatt	aaatggctga	gctggtcatt	agactattac	300
tcatttatct	taaaggcaga	aacttgtcaa	cccaactacg	tgaaacagag	aagcatgatt	360
tgcttaagca	ggcgacatta	gagttaggcc	tctccacngg	gagcttcccc	gaccgtcagc	420
acgtggcaga	cagggatgcg	gcccattcatt	ccgcagggaa	gaaccggccg	ggccgg	476

<210> 492

<211> 455

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 492
ttatttcctt agtttattaa agatgacaat gaactgccag gctgcacaag caccacagca 60
ggtggaaacg cagttcagag cacgggcggc acacacggaa catctctact aagactcgca 120
ctccttttat gttagttcaa cgaaagctct aaatccttgg cagagaacgt caaaaacagc 180
ctcatttaag tggaaaatat ttgtcttcca ctcttctgct atgtcttgaa tcttgtctcc 240
acctggtaag caaactatgt ttttttctt tccctttact tacagaaaga acactatcac 300
ctgccttcat ttagaaggaa ttctcttcag tgcattcaaa gcttctcccc ngcaacagca 360
gggggatttt cagatagtg taacttgcaa agtgcttcca aaacatccca tcctctaccc 420
actttcccc ctcttgaat aaataactgg ggngg 455

<210> 493
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 493
ttttttaaat aaatttttta ttacaatgac aggaagactc tggatacaaa cacatttgct 60
aatataatca ctccactggt tacctaggcc tagacgtaca aaaggacacc catatctcat 120
caggagaaag acaattttga gtttctgggt gtagtacc aa gtggttatga tcaccacgta 180
cgtggtctat ccagtttaact gtgtggcaat ttgctatttc aagtcctctc ataacagaaa 240
ttactgaaat atgtggaaca ccagtcaata taaagaattc atttttaaac agactagtga 300
atttgtgtca taaacacact tgcgtatgga tattaggaga gcattgcttg aatatctcta 360
aaactatttt taggaattaa aagctttcat agttaatggt atgatattgg ctttcagaat 420
tcatattgat aaaagcaaac cttagtcatt taacaggaat gtttaaattt tagagattct 480
aacatgcat gccgaaaaat cctaacattt ccacttagta atgtcagggt tgtgccagtt 540
ctaatttccc atagctagta acatcagaaa atatntatca 580

<210> 494
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 494
ccgataatga ctttatttta acatatttaa ttacagacat aaaatagctn nggagggggg 60
tgagccccag cctagcccca ccatgggntc atnaggaggg gaggcgcagc ggggccccct 120

gctgaccctc tctctggggg tcttcctatg gcggggccta ttgcttgagt gggggaggag 180
ccatgcaaat gaggggggca gagaagacgg tgacacagcg gcctccgtga gccacctcgt 240
agccctcgnc cttgacttcg tggctncgga tgatatagtc caggttgttc tcttccaaga 300
aggccttggt gacgtcaggc ccaaactgac agctcacgcc cgnttgctga ttcgagccgc 360
cgttctgttg gctgtggatc tgancaagaa caaggtcaca catggggccc tgaatcttgg 420
gggttttcga ttccgctcaa attttcgga tgtcattcan ggtganaccg gtt 473

<210> 495

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 495
tttntntgca aagagaaata ggctcgttta ttnattcatt gatcaactgg cacttcttga 60
aancctgctg tgtgccaaagc ctttcccaa aggaggatat cagtgnnnna gnaagtctca 120
gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
canaantcac tnggnacttn ccaagggttn cnccttggtg ggnttngggg ggttnnacagg 360
ggncccggca nttnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411

<210> 496

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 496
gaagttataa aagcttggtt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
atttagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttataca 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180
ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttatttaag catgtaagat ggtacatgct 300
ctaccaaggt atggggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353

<210> 497

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 497
 atagatttca cgtttaatat gtaatggaag ctctgtaaca tgagacagat agcaagcacg 60
 gactctgctc actggctgat gatggagcgc tgcaacacct gattcatcat gtcctcttca 120
 tcaacatcat aatccacaaa agtctcannn ngaaaaccgg tgccggcgct ggatgtgctc 180
 tctgaagttg gcgctgcggn agttgggggt ctcccaaggg catcgcgga cataatnggac 240
 aanccacagn ttt 253

<210> 498
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 498
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 cttgtaatca aacttgtagt aggtgtgcag gatgcgcana ggntagatgc ggcagacctc 120
 ctcggtagtgc ccttctctcc ccaggtagcg ctgcacacgc tcgatgatgg cacacacctg 180
 ggctcatcc ttcaagtgtc ccacgtactc ttgggagtga gggtcangta ttntgcatta 240
 ttttggtaaa ttcttcatcc attcgttcca ccagagttag gatgcagcca cggacacgca 300
 nggcttggtc agcgttngtt gcaggttctc antctcttcc agaattattct gctccaacaa 360
 aaatgtttgn ggatttggca aacagggata nccatcagct cattggatgc ag 412

<210> 499
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 499
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 cctccctga aacatgcat cctctctgcc ctccagntcn agcacaggga taagaacccc 120
 actccgcatg tccccagagg cagcactcca nnnnggtngg gggagggga ggggtgctct 180
 acgccaggct ggggagctgg gacaggaggg aagacgtgca ccctcacctc ttggctcaat 240
 ccctctcccc gggacctggt gctgccccca gtccctgggg tngctggna nanngggctc 300
 atgcaacaat tgagtagaca ggaggtggca cggaaacgtg gccttggtgc cccttggcgg 360
 gggcgggagg actaaagggg ccattgctgtg gccacagcgg gtccaaatgg aagtatctgc 420
 agtgtacata caggagggtt ggagat 446

<210> 500
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 500

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gatccaacca	gtggacctct	tgaagcacta	ccaggcctta	aggcaccatc	cgagggagac	120
tgggaaaact	attattcacc	caagcctccg	gaaatgtaat	gtaccagcag	gcaaaaaaca	180
gttcttcatg	tagtacaaaa	tgaacgaaa	caaaaacaaa	aacagaaagt	aaaaatgaaa	240
ccaaaacatt	tcttaaattc	tagtgccata	gcttttttgt	ttgtttggtt	tttgttgttg	300
ttttgttttg	ttcataagaa	agagagaaa	atactactta	tccgtcagac	acatgcatcc	360
tcatgtggtc	gttgaactgc	tccgatttgg	tcaa			394

<210> 501

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 501	tttttttttt	ttaaaagact	aatgtaactt	cttttaattg	tcatttttatg	60
ctttctgcag	ctgcccgcc	ccctcccttc	ccttgatga	ccacttttgt	aggctatagg	120
ggaccaggga	acaaaggctg	tttgnnnnnn	ggnggggaca	nannancccc	aatcanntgn	180
nnnanannaa	gctanaatta	caaattnnann	acaanaanta	atgctgannn	ctgggagagc	240
tgcanaagng	ggaggcccg	tcctctttgt	caggggtctat	ttggcagtga	ccttgctctg	300
aaggcgatgg	tactccttca	gctgacctng	gccaccccg	atngaa		346

<210> 502

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 502	gtgatttatt	tgcaatgggc	acagtgatgc	aaaaacaaga	tattaagact	ataaaaatag	60
tgactacaaa	gaaccagcga	aataaataca	tagatattag	atagtccaat	aacttaagg		120
ncccggtgca	cgatncgagg	gacccgcgc	cacnggaagt	tcttcttgct	gcagggcttg		180
gagagcgccg	gccacgtcct	agcctcggtc	cgactcgctc	agcgtatggc	ccgc		234

<210> 503

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 503	tttgcaatcc	tcaaaccgtt	tattgacagc	acaaggctca	acagcaggtg	agcacgtgag	60
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ggtgngaagc	gcttnaggc	agtgtgggca	ccaggcaggg	gatccccgag	aaagccctct	120
gccaggga	tggtgagggc	gtggcatcac	cacgaagga	gcataaataa	caactggcagg	180
tgggtgggca	gcaggagagg	gagagcggac	annacacggg	gacacgcagg	gtcggcgga	240
aaatgctggg	acaggggtcac	acggggattc	ggacacgcag	acacagaagg	gatcatggga	300
cgccagagg	atgccagagg	gggcagacac	accagagact	cggggatggg	catggtgctc	360
tgcccggtgt	ggccctcct	ccaatactcg	ccctgggctt	tgcaggcagg	actgggcggc	420
tgagcactct	cccagcagag	ccaagcaggg	g			451

<210> 504

<211> 437

<212> DNA

<213> Homo sapiens

<400> 504						
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aagtcctgat	gacatgtggc	caagatgggt	ggggcatacc	ttggttttat	acattttagg	120
gagacataag	acattaatca	atatatgtaa	gaagaacatt	ggttcagtgg	ggaggagct	180
tccagggtcac	agataggtga	gacacaaaca	gttgcatctt	tttgagtttc	tgattagcct	240
ttccaaagga	ggcaatcaga	tatgtatcta	tctcagttag	cagagagata	actttgaata	300
gagtgaggag	tggttttgcc	ctaagaagtt	tccctaagct	tgagttttcc	ttagtgtatt	360
tggggcccca	agatattttc	ctgtcacagt	tgacatcccc	aacacagtgt	ttagggtcca	420
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<210> 505

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 505						
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gtcaattgtc	agtggagtcg	gtggggtgct	aagtgttctg	aactgaagta	ggtgcactaa	180
ggttccaagc	tccttgcaag	gatctggacg	ggaggaaagc	agaggccctg	aagggaaaaa	240
agcctgcttc	ccaatactta	ttttttatta	ctgtacaaaa	agcacactct	ccctcttttt	300
gtctctccca	ccaacggcac	ccccccaccc	ccaacccaag	aggactatac	atggagtgcg	360
gggacagagt	tgaccaggag	gcctttgtcc	ggcaccctgc	ccacaggctg	agctcagccc	420
caggcccttt	caggcatcta	gacactccca	tagcctggtc	angctggggc	aagggagatn	480
ccaggtcaca	catacttccc	tggaagagtt	ggacttaggg	gtaagagccg	ggtgcacggt	540
anccagnctt	gctctcatte	ccang				565

<210> 506

<211> 440

<212> DNA

<213> Homo sapiens

<400> 506

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atgcagagat	attatctatc	tgtattttta	aaattttcct	gttactcatt	gatacatagt	180
acttaattac	atgttattcc	atgtacactg	aaaacaatat	aggaaatata	tacatctaag	240
acttctactt	tgtacagtct	ttcattaaat	aagaatactt	acacatacat	tttcagatat	300
ttctaccttc	ctgtatgtgt	ttggaattgt	atgtaggtag	ccactgaaag	aatttggggc	360
ccttgggagg	atggcagtg	aagtcacatga	agtaaagagc	attcttttaa	aagcagattt	420
gattgcatac	cttttagtta					440

<210> 507

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 507	tttttttttt	tcntcccttg	nacnataaat	ttttattggc	aggtcaggan	aagagcnggg	60
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cctgtccctc	gagcaggctg	cggttagggtg	gcaatctcct	gctccagccg	cgacttgatg		240
tccatgagcc	gctggtaactc	ctgattctgc	cgctcactat	cagctcgcac	atcgcccagc		300
tgggttcaat	accgctgata	agcgcttgga	tatgcgccag	tgggctccaa	agcgcgcttc		360
cgtttctgcc	agtgtgtctt	ccaaggcagc	tttcatgctc	agctgntgac	tgcagctcaa		420
tctcaag							427

<210> 508

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 508	tttgacaggc	tccagegtgc	tgccatgtga	tagaagaatg	atttattaga	acaaattcca	60
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atgtacagtg	aaccctccga	gaagcccggc	aaacaaggac	cagttcccag	gcaaaggctg		180
gangggggagg	aacaaaggag	ctcagtgtgg	ggaggagcag	gaacttgtga	acttaaaaca		240
ttgcacagcc	actgccgagg	ggtagggaagg	agccgtggat	gaagccgtga	ccacttcatg		300
tccaggggca	ggcgggggtg	gggcaactgg	gncattgcag	gggggtgggca	gcaagccggt		360
tggaccgggt	aagccacctc	ctccattaca	gacaggcagg	ctcttggggc	cggggaccag		420
gggggggntc	acctgncaac	ccgggcccc	ct				452

<210> 509

<211> 291

<212> DNA

<213> Homo sapiens

<400> 509
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aaaaatacaa aaattagccg ggcgtgggtg cgggcgcctg taatcccagc tactcgggag 180
gctgaggcag gagaatcgct tgaacccggg aggcggaggt tgcagtgagc cgagatcgcg 240
ccactgcact ccagcctggg caacaagagc gaaactccgt ctcaaaaaa a 291

<210> 510

<211> 404

<212> DNA

<213> Homo sapiens

<400> 510
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aatacaattt tcacaaataa atccaaaatt taaggtagga ttaaaaagga gtaaaccaat 120
acataaaaaa tgaaattgag aactgattta atactaaagt tctgaataaa ggtgtgcact 180
ttatgattga ttctatcttt ttgcacaagt tggatactcc agtttcccat cccaacatgt 240
tgttcgcaat gtgtgagaac gtgatgaaag acgatatccc cgtttacaca caaattcaac 300
tgattcacct gttctcgaat aaagcttctg tttggctgtc caccttaatg ctatgttata 360
attttccata atttctcggg atattacaca cggatgtaag catt 404

<210> 511

<211> 425

<212> DNA

<213> Homo sapiens

<400> 511
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ccacaacttg ctcttcttcc agccctgcc ctctcaatta aaacaatgct ttcttttttc 180
ttttcttttt tttgagacgg agtcttgctc tgtcaccgg gctggagtgc agtggcgca 240
tcttggtca ctgcaagctc cgctcctgg gttcacacca ttctccagcc tcagcctccc 300
aagctgctgg gactacaggc gccaccacc acgccaagct aattttttgt atttttttag 360
tagagacagg gtttactgt gttagccagg atgggtctca tctcccaacc ttgtgatcca 420
cccac 425

<210> 512

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 512
ggcatttccc caacatttaa tcaggaaaaa acattccatg aacaaagaaa aactcatgca 60
actaaagagg agagaacggg gggctctgga ctgtcagaca gggccagatt cctcagagga 120
ggcagaagac acagagtagt aaggcacggc cgccttgcc ccacagggcg ggcactggac 180



ggagcgggcg ctgaatgggg cggctgaagg agtcggagca ggtgcagaca acacttagga 240
cgtttngcag taggctcagg aggaggagcg ttctagggcc cccatgccaa ngtcaggnc 300
tggcacaagc ctgagtcag tcctccca 328

<210> 513
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 513
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gctaagggca ggtcagtcga gtgtgtgggc cgcgggggct acaggcatag cagnaggagg 120
gggagtnanc tccccccag ggnccacccc nagcccagtc caggggtngg agggaggggg 180
tgaccctgt cgaggtcttc aggcattctt ggctga 216

<210> 514
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 514
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aattcaaaga ccaatatcat tttagcgtat gacagacata gataaattta ggnccctaagt 180
accggcattt tgataaatcc ttaaagttta aaacantaca atcaggagga ttgcttttct 240
cctcttcttc acagagaact aaagtgaata ttttttaaat ggctttgaaa gatttacatg 300
ggacacattt ctgtaaatcc aaaag 325

<210> 515
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 515
cacagatatt tttaggtttt nagtagtggt cccgtcagac acaggcaagg attcaggctc 60
ggcctcccat gcgccacct cgcaccac actggggcgc gagcagggcg gtcggctgca 120
gccccgccta cttaaagggt gactgcagct ccttgaaggc cgntttccgc tgcttcat 178

<210> 516

<211> 269
 <212> DNA
 <213> Homo sapiens

<400> 516
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 gtacgtgccca agcattcctcg tgcaaccgga gagcccgagg aggggctctg cggcgtcgc 120
 actcatttac ccggggacag gagaggctct tctcgtgtag tgggtgtgca gaccttatgc 180
 atcacgggca tgagaagacg ttccctgct gccacctgct cttgtccacg gtgagcttgc 240
 tatagaggaa gaaggagccg tcggagtcc 269

<210> 517
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 517
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 ctcaagcagt tagaatagga tttttgaaca taattaagca caataaaata ggtaaaataa 120
 aatacagtat tttccttgaa tttttatgtt aagtatacat atgtatatgt gtgtgtgtat 180
 atatatatat ttgtgtatgt gtgtgtgtgt ttcttctttt tagagccagg gtctcacttt 240
 ctgggtccagg gtaggagacc acgcagcatg atcacggcta cccttgtcca gggtaggagg 300
 tccagtagca taatcacagc tcaactgcagc cttgacttgc tgggcttgag caatcctccc 360
 aggagatcaa ggctgcagta agccataatc atgcaactgt actccagcct gggcaacagg 420
 gcaagaccct gtctcaaaaa aataagaaca ggccaggcac agtggcattt gaaatgaaag 480
 ataatcagca aaac 494

<210> 518
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 518
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 tgtaggatcg ggggcacagc atggtcccgg gagggccctt gtgcacaggt ggtggcccag 120
 ggcaagntgt ctgctctttg ggggacgcgc ggccggggga cgcgtcctgt gtccggccccg 180
 gggctcccag cgggctccgg cggcagggaac aatggcaagg ccgctcacca cttgaggaag 240
 accatcccgg ccaggacggt gtagcccagc accaggaaga ggaccttgag cagacggtca 300
 ctcttctcct ccagctcctt ggccaggatc tccaggaagg tgatgaagag gaagg 355

<210> 519
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 519
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gctggatgct	gggcagagca	caggggtaaa	cacccacga	gaggatgcct	tggagggctct	120
cgtcacagac	cagggggcct	ccagagtcac	tctggcaagg	gtcctggccc	cggtccagtc	180
cagcacatat	catgttggtg	gtgaccacgc	cagggtagaa	gacctcacac	tctttagggc	240
tcaggatagt	gatgctggag	caggtcaggc	ccttgtggaa	ctt		283

<210> 520

<211> 409

<212> DNA

<213> Homo sapiens

<400> 520	tttttttttt	ttttgggttt	gatgatttta	tttctccctt	cccataacca	60
gtaaaaaaaa	aaaaaaaaat	tacaatcagg	cctggtggtg	gctcagcct	gtgatctcag	120
cactttggga	ggctgaggtg	ggcggattgc	ttgatctcag	gagtttgaga	ccagcctgag	180
caacacagcg	agacctggtc	tcaaaattat	tatacaatca	atgcaagtac	aaagattcaa	240
tttttaaaaa	tcaccagagt	acaaagacgg	ccacagcccc	tgcccgggtt	taacttacat	300
atatacagag	tgggcggggc	aggcatggcc	acagaggtgg	tattacaaaa	tatacaaagt	360
ggttttctttc	tttacatttc	atagaagaag	cctgcctcat	ttccaaatg		409

<210> 521

<211> 545

<212> DNA

<213> Homo sapiens

<400> 521	tccttgacag	tgtaaact	gacattgtac	tccaggccgg	gactcagggt	atcaaaagtg	60
caggagctct	gatcagcatg	gaccacttct	tccaaagaat	ttccctgctg	gccgtttgta		120
ggggttggtg	taattctata	accagtaatg	tctggggtgg	tgctcctctc	ccaggagact		180
gtgagcactc	cagtgtcagg	gtttgcctcc	agatgcaagt	ttgttggtgg	agacaatggt		240
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gtgtagacgt	attctactcc	tggagtcagg	ccggacacaa	cgatgcttcc	tgagtctgaa		360
gtcactttctc	gtggtgcctc	tcctccctgg	cttggtcgta	caccagctt	aaaaccaatt		420
cttggagcag	gcgtccatgt	gatcacaatg	gtggtctcag	tcacctcggg	gttgtaagggt		480
ggaatagagc	tcccaggctg	cagtgtggta	gagactccag	tggctttggg	gctctcttgg		540
ttgcc							545

<210> 522

<211> 376

<212> DNA

<213> Homo sapiens

<400> 522	ttattattca	tttatttatt	tattctgaga	cggagtctca	ctctgtcgcc	caggctgaag	60
tgcagtggcg	cgatctcagc	tactgcaac	ctctgcctct	agggccaag	cgattctcct		120
gccccagcct	ccagagcagc	tgggaccaca	gacacacacc	accacacccc	gccaatcttt		180
gcaattccag	tagagaccag	gcttcacat	attggtcagg	ccggtccgga	actcccagcc		240
tcaggggacc	caccgcctct	ggcctcccaa	agtactggga	ttacaggagt	gaaccaccac		300
acccggtctct	gcctttcttt	gaccctccc	agactggacc	atcttgctac	tctctccagt		360
cgttttcacc	ttgatt						376

<210> 523

<211> 315
 <212> DNA
 <213> Homo sapiens

<400> 523
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 ctcaactgcaa cctccgcctc ccgggttcaa gcgattctcc tgccctcagcc tccaagtag 120
 ctgggattac aggcattgtgc caccatgccc agctaatttt tgtattttta gtagaggtag 180
 gggtttcagca tgttgccag gctgggtctt aactcctgac cttgtcatcc tcccaccttg 240
 gcctcccaaa gtgctgggat tacaggcgtg acgaccacgg ccggctgtta tgctcatcat 300
 ggcacttaag agatg 315

<210> 524
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 524
 ttgtttattg acatacaggt aggcctctata gcaacaggcc tggnggttct gcagtagtgg 60
 gggaaaatgg angncggagg gtggggncag gtncaaactg gagaggccta gagagctaga 120
 gangcaagta aggnccaggg cagantcggc ttcaatggaa caacagccca gtgccctaag 180
 gcccctaact cttgctggct gtttcttgac cccaagccag ggttgggagt cctctgggca 240
 tccatttttn ctaaagganc tggacagagt acacacagga aaggaagctt tcacctctt 300
 gccatctggc tccaggggccc tccagtccag cattcctcct tcttcccttn attgggtggg 360
 gccacatgat gggcagccag gctctgggct gtccccaacta gagcaggctg caaacacagc 420
 catttttcag tgaggcttga tcttcttna 449

<210> 525
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 525
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 ggttccttgg gtcacctgcc caccagcctc tggctctgggc tgccatgtcc ccacgggcag 120
 gagagaggca caagtcacag tcaggcaagg gaggctcagc ttctctgggc gtggctnttg 180
 gggtccttcc agtnttcacc tgggaccctc ggccagggtg ggacanattc cagggaggcg 240
 aggttgcatg gtccagcggg ggggtgcagg ggcaacaggc tcggcggggt ttgcagggtc 300
 caaaaggagn tttcgggttg gg 322

<210> 526
 <211> 281

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 526
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tccacctcgg ccatgacaac agacacattg acatgggtgg gtttaccgcg caagcgtcga 120
atggtnttct gtgtgaaggc cagcgnaggg cctcgtggca nccatgcagg agaaggtntc 180
ccccttnttc cagtcctcgg ntgccacgcg cagtatgntg gtcacaggaa ggtgggtggg 240
tgccctggct gggnttcctg ccgggatgcc caagttcagg t 281

<210> 527

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 527
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ngcgtgacgt ctacatcgg agttggctca gacctggct gtgcatccat cagaaagtgc 120
aaggcccagg ccatgagctg gggaggaagc ctggnaagaa accaccgctg caggtcaatg 180
gagcctggga ctagtgacca agagttgggg cagaccagg gcactcacct gacagcttgg 240
acccgagcac agagggacgt gcagggtggc tcatactcat actgggaagg cagaaccatc 300
acgatgcctc tttggggggt tcctgaaagg ggtatgggtn tctgggggaa gagctaacia 360
ggaccccaac cccatccaag gctacccatg ctccctncca gg 402

<210> 528

<211> 441

<212> DNA

<213> Homo sapiens

<400> 528
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ggaagctcat tggctcggtc caacccagtc tccaccacca gcgacatcag cacttcctca 180
tccactgggt ccgaatcgat gatagcaggg ctctgggcac cagcagaagg agagagtgat 240
tctgccccctc ccgcctgggc cccaaagtcc cagttttgca ggggtcctgc ctccccgggt 300
tggcctggag tggcagcagc atccccctgat actggctatt aagtttctgc agctgcatac 360
tagccagcaa gtgaggggag ggggtgcagg tgaaggattg ggggttttagt gggaggggtg 420
gttgtaggag agctatttgg a 441

<210> 529

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 529
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caacatacag aatattgaat taagaaaaga gggaacgggg aagggaangg aaacctcttt 120
gaggtccaaa gttgncaaca aaaaatggta aaagatttcc tcacgcaaga nggcattttt 180
gcaaatacca tgcaaaacag gcagctgggtg tgccttaaga gaatccctat aaataacaga 240
aaagacactc caagcattcc tgtacgtgga ctacagagcac agagaaaaga aactaaaatg 300
ccttttggat ttcaagatat ttggcactct tgtgattaca tttttttaca gtccattaaa 360
ggggaataaa ctgacataat att 383

<210> 530

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 530
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aggctgagct gacgccgcag aggtcgtgtc acgtcccacg accttgacgc cgtcggggac 180
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gagagatacg caggtgcagg tggccgccgg atcccagccg cacttctggc gtgagtatcc 300
ggactgcagg ggccggggac aggtcgggtg tcgaatcttc ccagctctgg ttggcccgcga 360
acctgggtta agcaggtcct cgtagcgttt ccgcaactct ccggaatctg gagtcttccg 420
gtgtgcaact ctgaatggtc ccgggaaact tgcgcggctc gcacgcgnta aagacagggt 480
gcccccat 488

<210> 531

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 531
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caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgtttagtag 120
gttaggggta ttaagtgcac tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggttaacc ccatcgtaag tggaggaaca tctagtgcct ggcacacgag ccggttctca 240
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cacttttctaa gattatTTTT gcttgctggt gggtttactg tcatttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccaggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435

<210> 532
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 532
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taagggactt tctctctgct cattaagagc aacgatgctg accacatact ctgtgcctgg 180
agtgaggttg gtgaggggtga tggaattccg agagtggggc acccgatctt ctcgagggtct 240
cccactgaag tgctcgggat gatggcggat cctgtagcca gtgatgggtgg ctcgaggagc 300
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gantca 366

<210> 533
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<211> 420
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<212> DNA
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 558

<211> 927

<212> DNA

<213> Homo sapiens

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<210> 559

<211> 1594

<212> DNA

<213> Homo sapiens

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<210> 560

<211> 233

<212> DNA

<213> Homo sapiens

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gtgacttttc	tcttgagttg	gcacatctaa	atgaacaatt	cacaaatgtc	attaaaaggt	180
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<210> 561

<211> 577

<212> DNA

<213> Homo sapiens

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<210> 562

<211> 853

<212> DNA

<213> Homo sapiens

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<210> 563

<211> 1915

<212> DNA

<213> Homo sapiens

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<210> 564

<211> 8448

<212> DNA

<213> Homo sapiens

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<210> 565

<211> 607

<212> DNA

<213> Homo sapiens

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<210> 566

<211> 4244

<212> DNA

<213> Homo sapiens

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<211> 3151

<212> DNA

<213> Homo sapiens

<400> 567

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<211> 481

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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